



Radi Bond Log  
Gamma Ray CCL  
Temp

Company Antero Resources		Country		Company Antero Resources	
Well Jed 1H	Field Tyler	Well Jed 1H	Field Tyler		
County WW	State WW	County WW	State WW		
Location:		API #: AFE A11797	Other Services		
SEC TWP RGE		4709502778			
Permanent Datum	Ground Level	Elevation	K.B. D.F. G.L.		
Log Measured From	K.B. 30 FT.				
Drilling Measured From	K.B 30 FT.				
Date	June 20 2022				
Run Number	One				
Depth Driller	NA				
Depth Logger	6443 FT.				
Bottom Logged Interval	6443 FT.				
Top Log Interval	Surface				
Open Hole Size	7 5/8				
Type Fluid	Water				
Density / Viscosity					
Max. Recorded Temp.	137.3 Deg				
Estimated Cement Top	1580 FT.				
Time Well Ready	19:40				
Time Logger on Bottom	18:12				
Equipment Number	Unit 116				
Location	Marietta				
Recorded By	D.Heater				
Witnessed By	Chris Young				
Borehole Record		Tubing Record			
Run Number	Bit	From	To	Size	Weight
					From
					To
Casing Record	Size	Wgt/Ft	Top	Bottom	
Surface String					
Prot. String					
Production String					
Liner	5 1/2	23lbs/FT.			

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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

Log zeroed at KB  
5218-5229 Marker Joint

Thank you for using Nine Energy Service

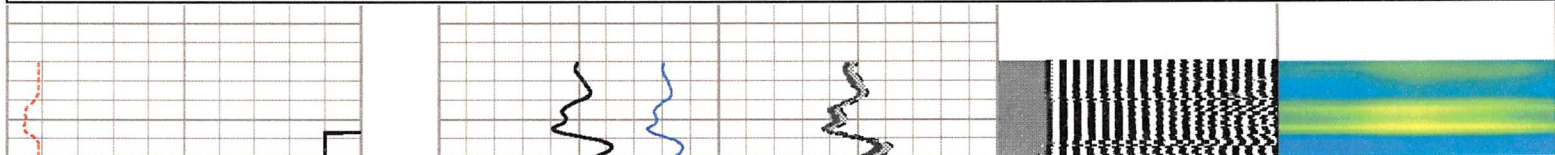
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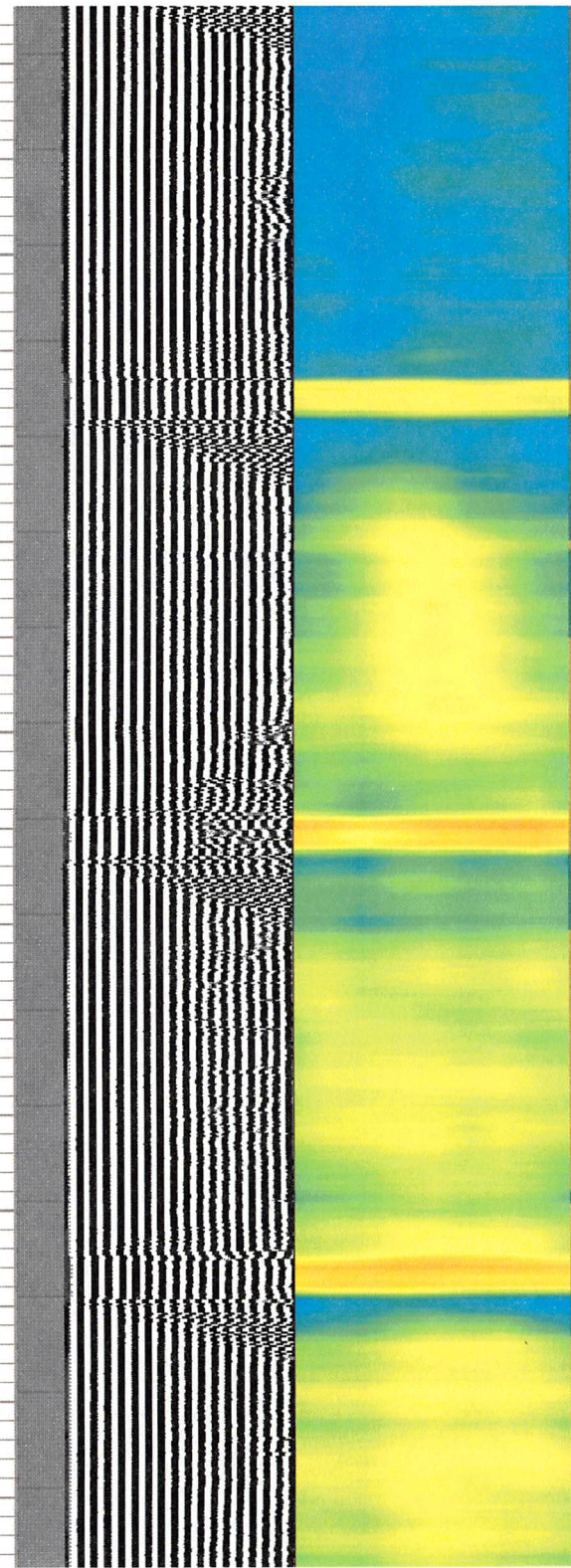
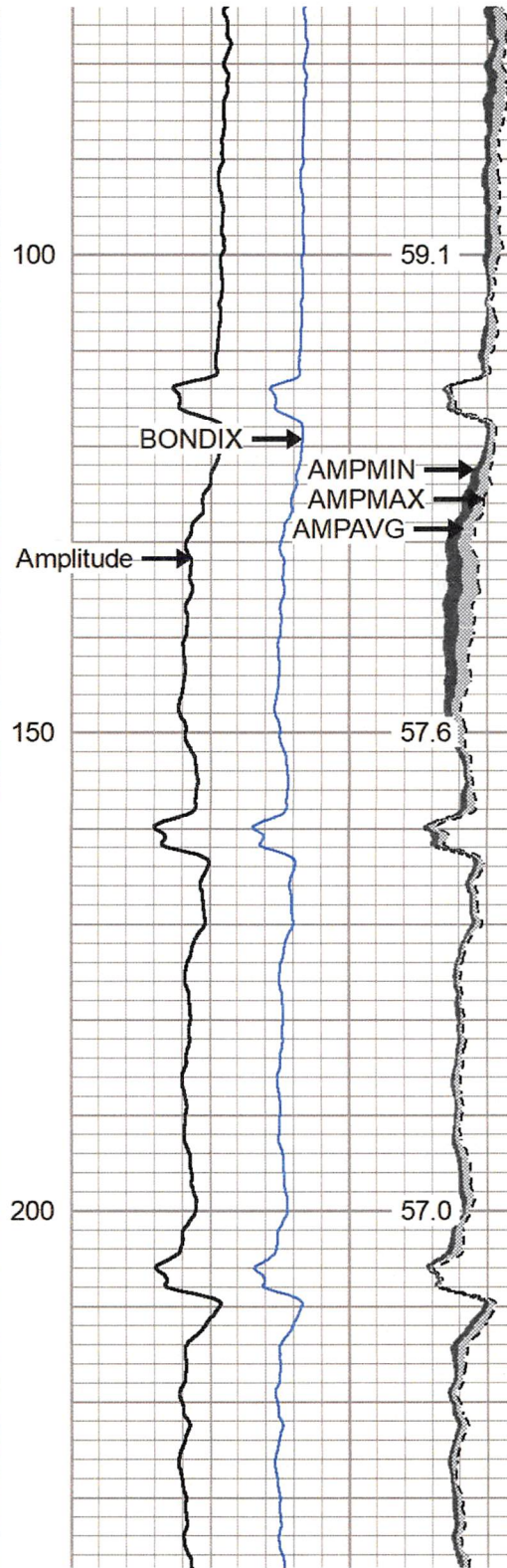
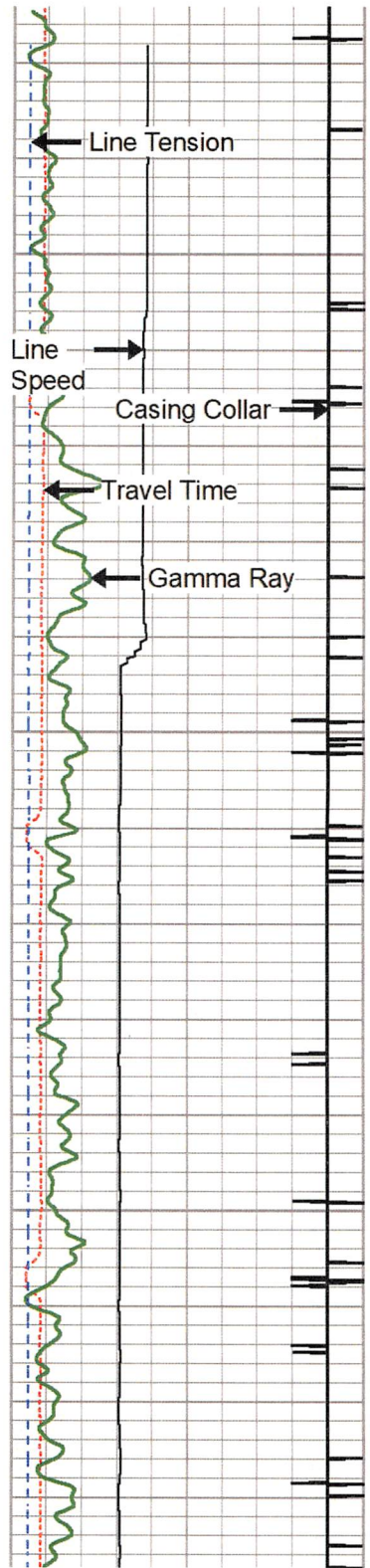


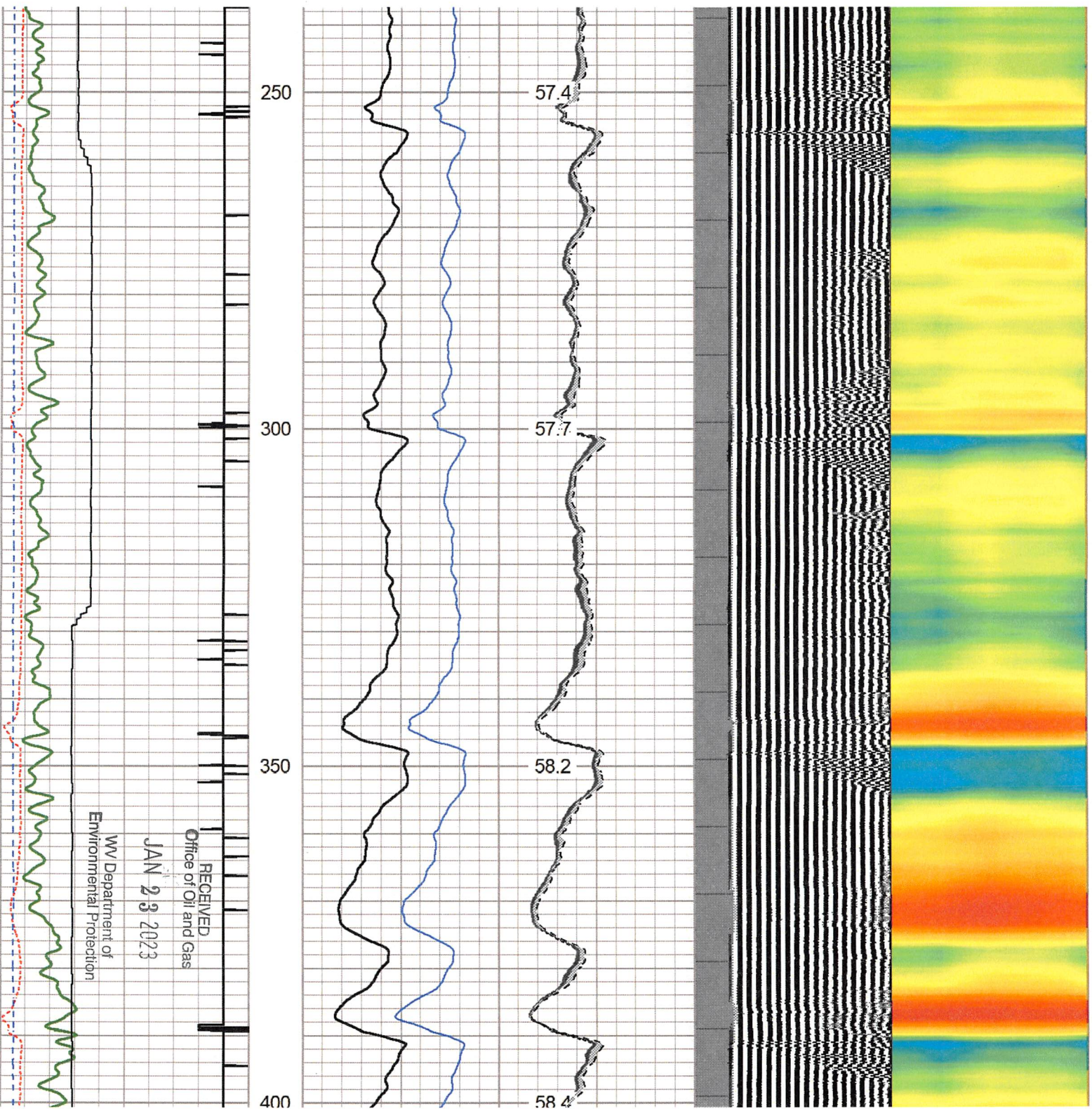
# Main Pass 1500 PSI

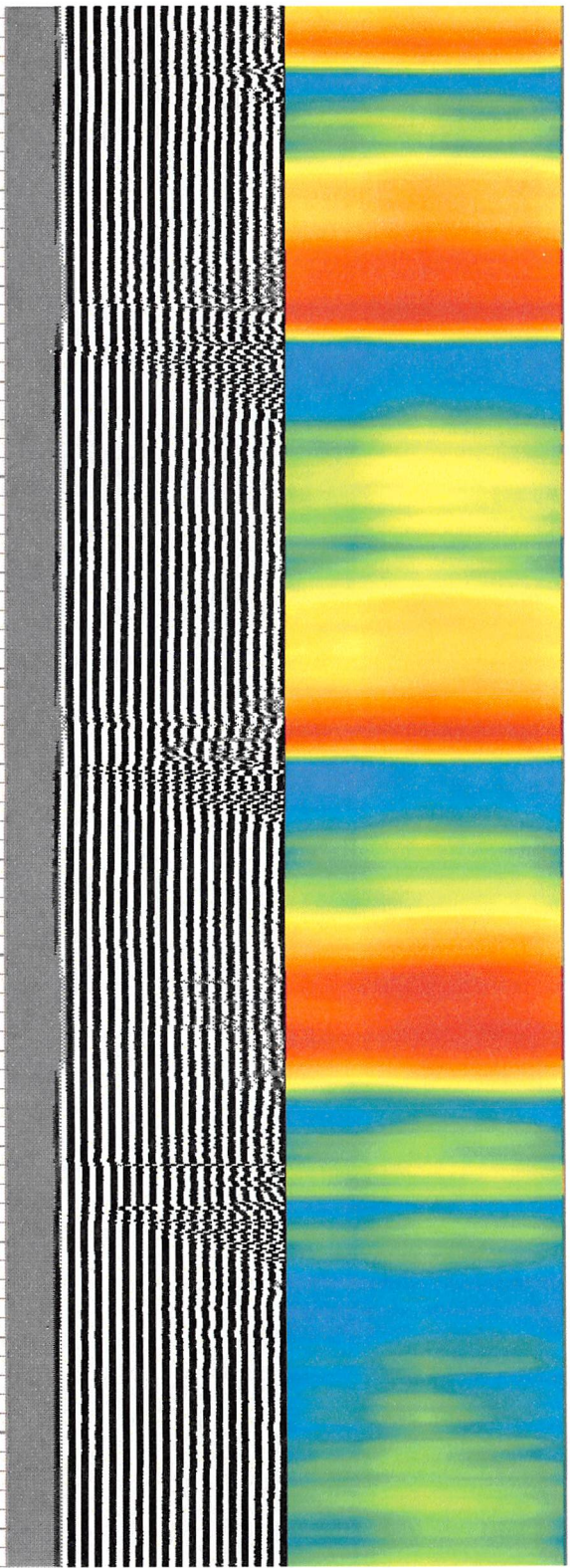
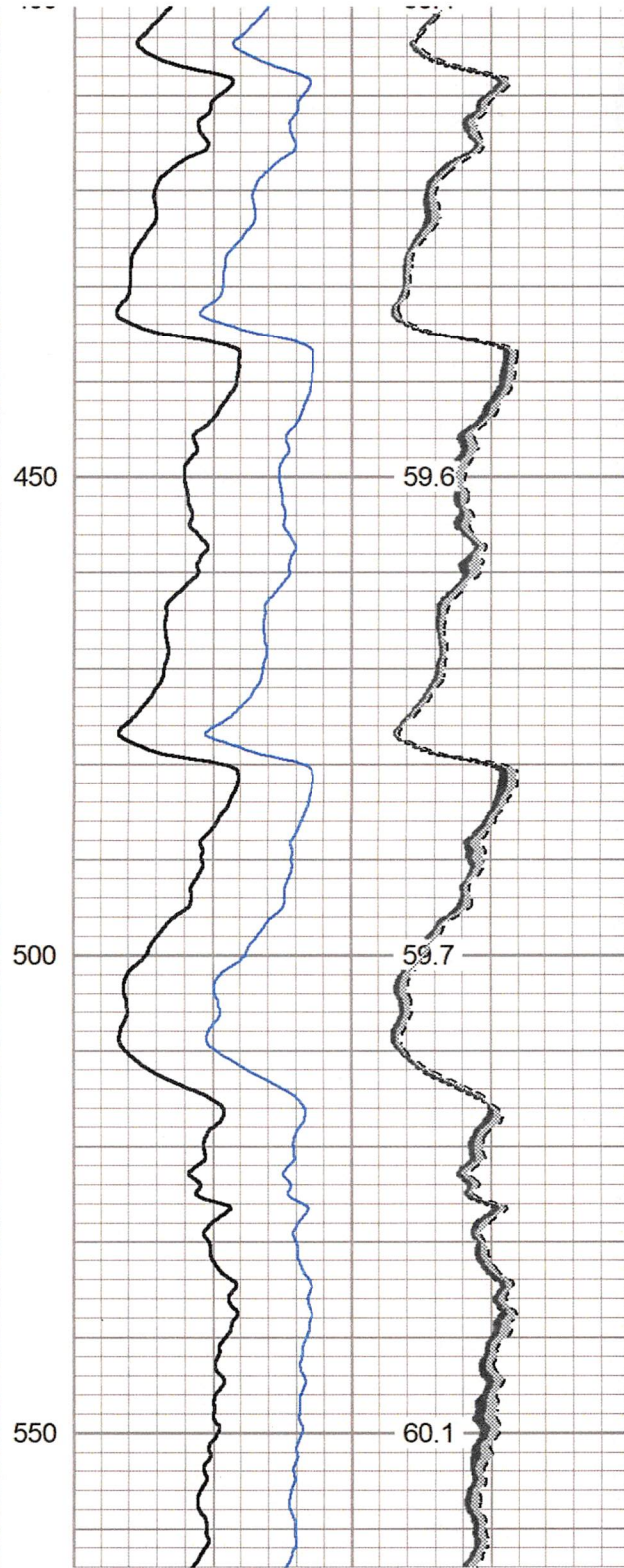
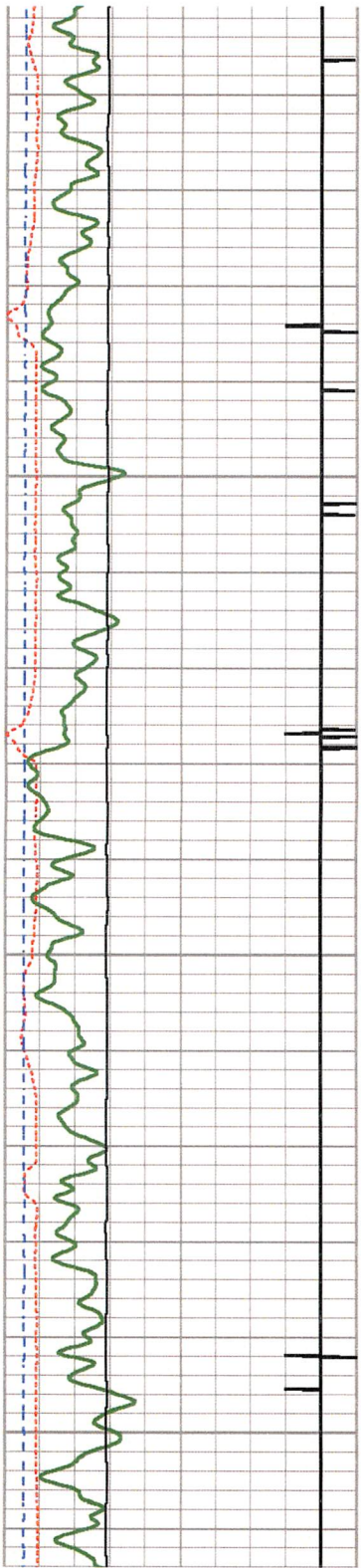
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 Presentation Format rcbl-bond index for antero 1020  
 Dataset Creation Mon Jun 20 16:54:20 2022  
 Charted by Depth in Feet scaled 1:240

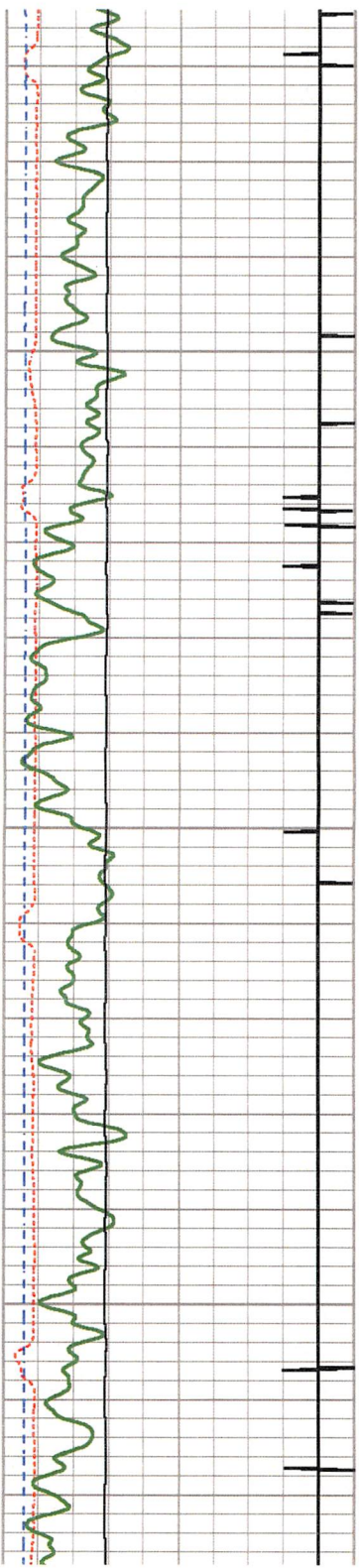
270	Travel Time (usec)	160	0	Amplitude (mV)	100	-5	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	-5	AMPMAX	150	200 (usec)	1200		
0	Gamma Ray (GAPI)	150				-5	AMPAVG	150				
	Line Speed			TEMP								
-200	(ft/min)	200		(degF)								
0	Line Tension (lb)	5000										







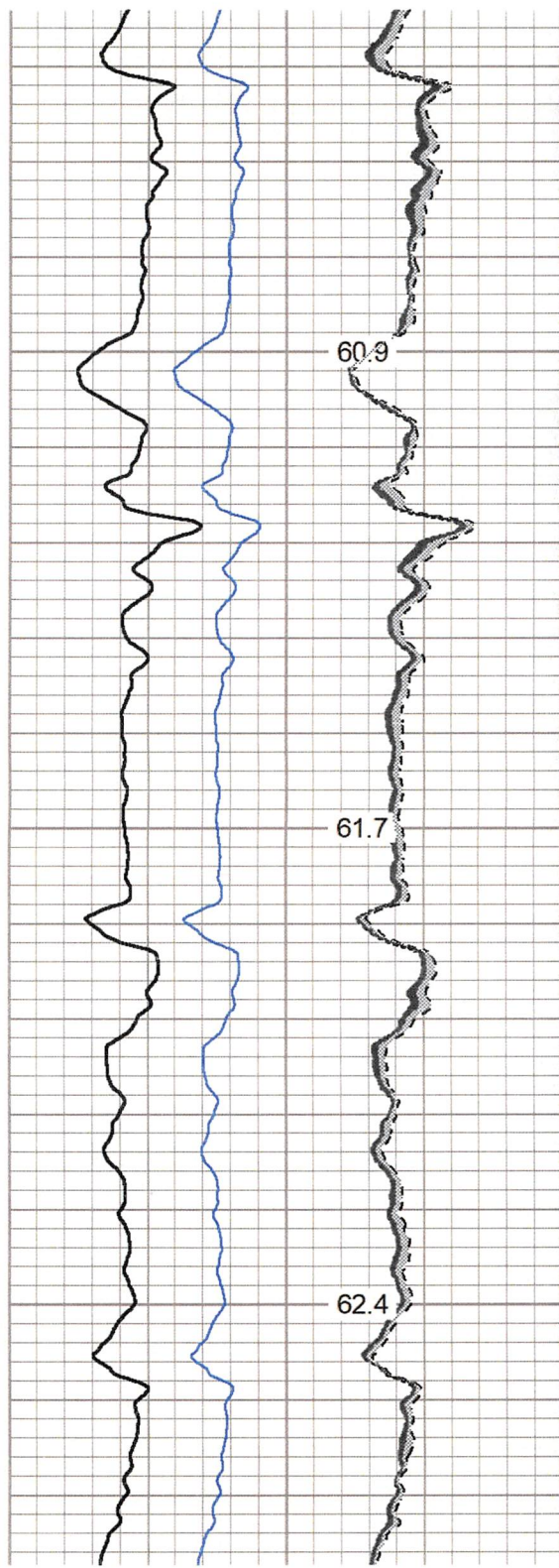




600

650

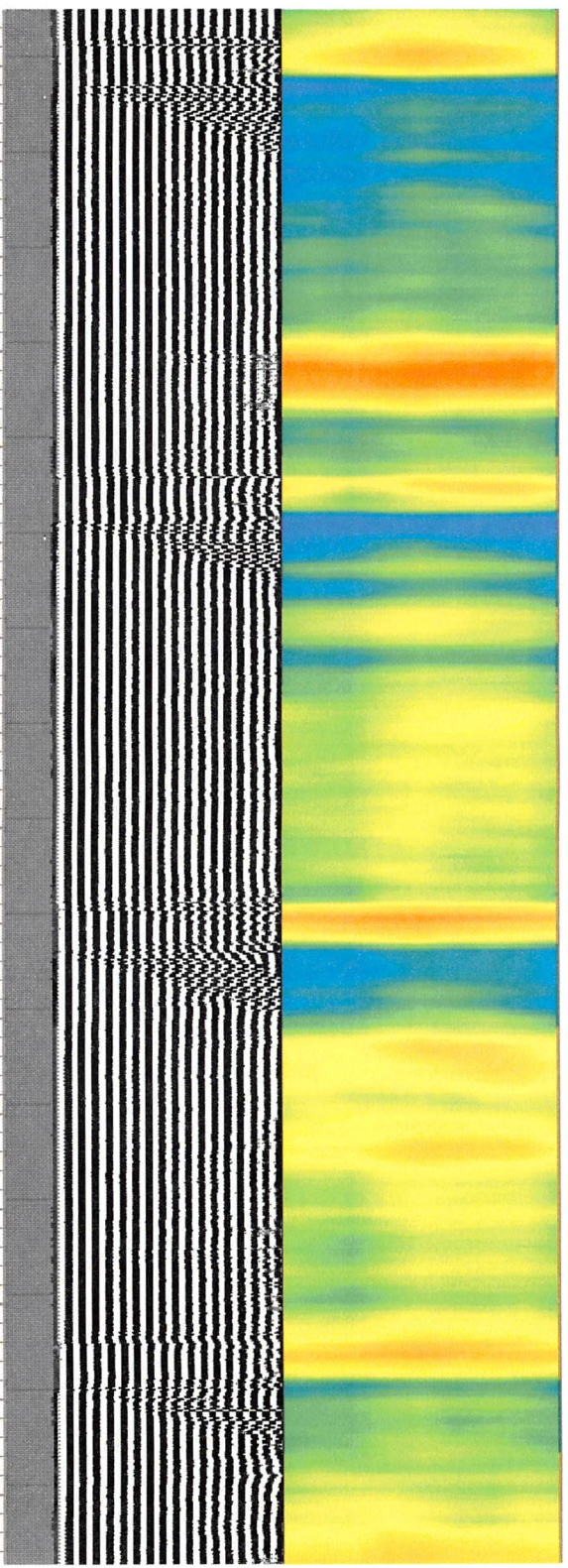
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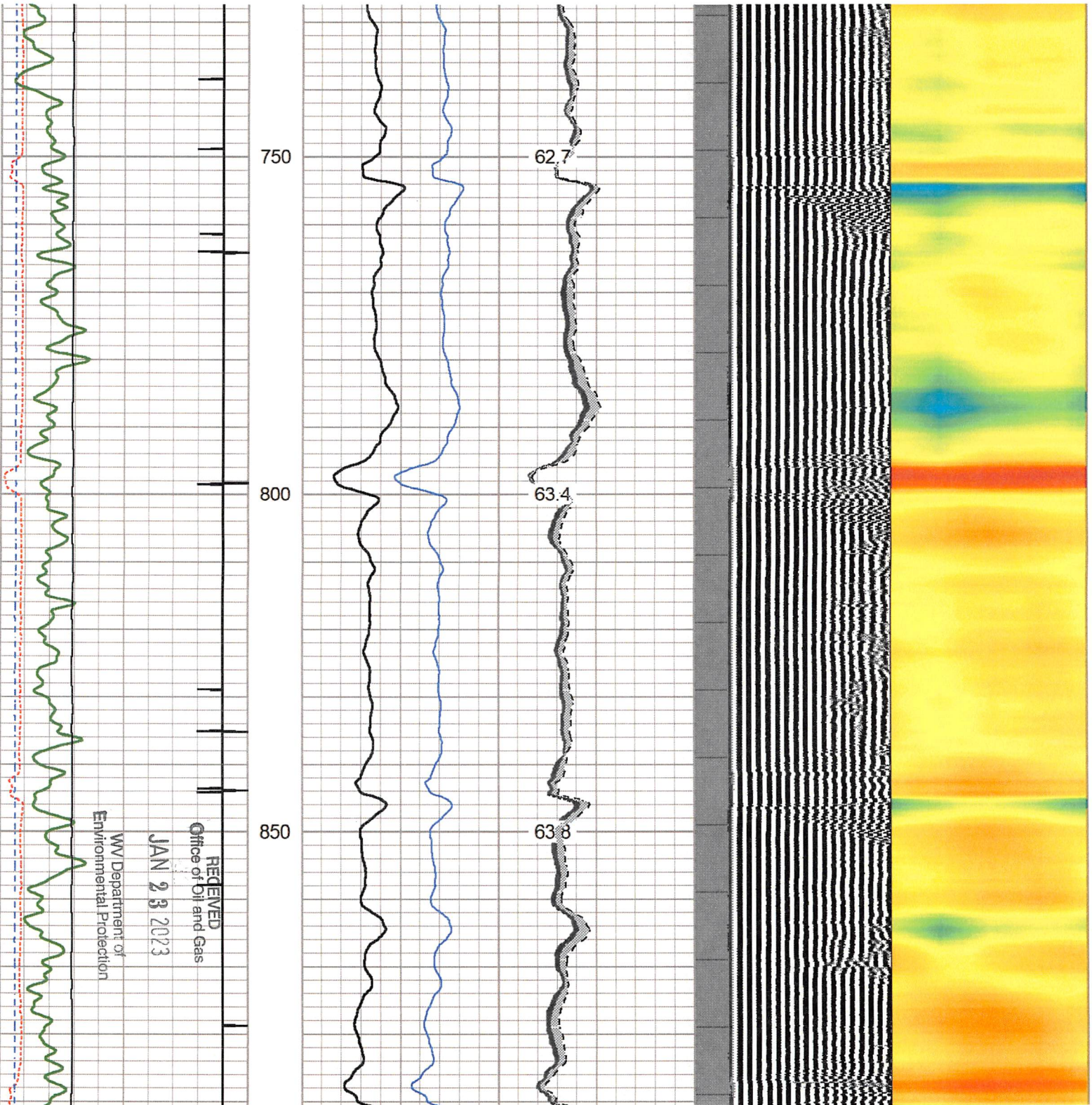


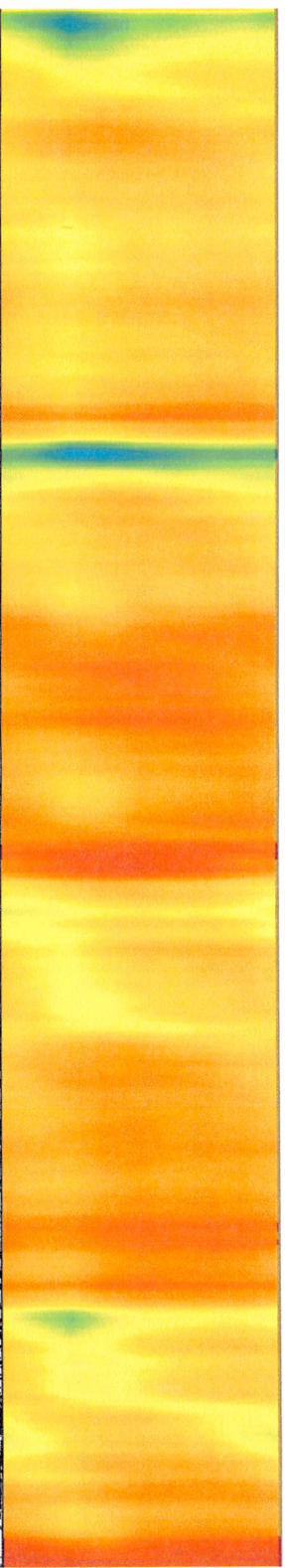
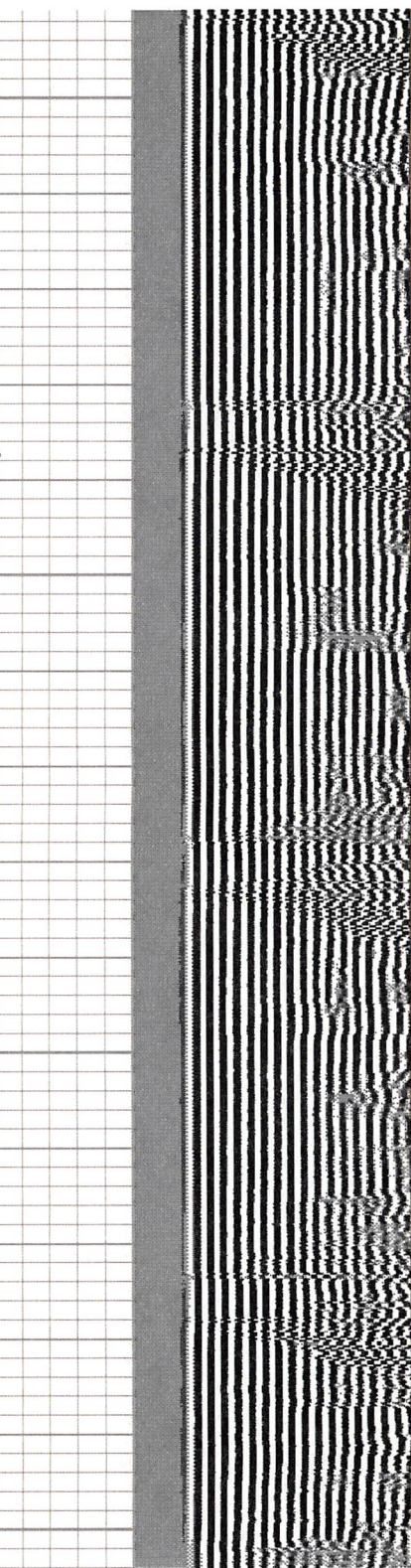
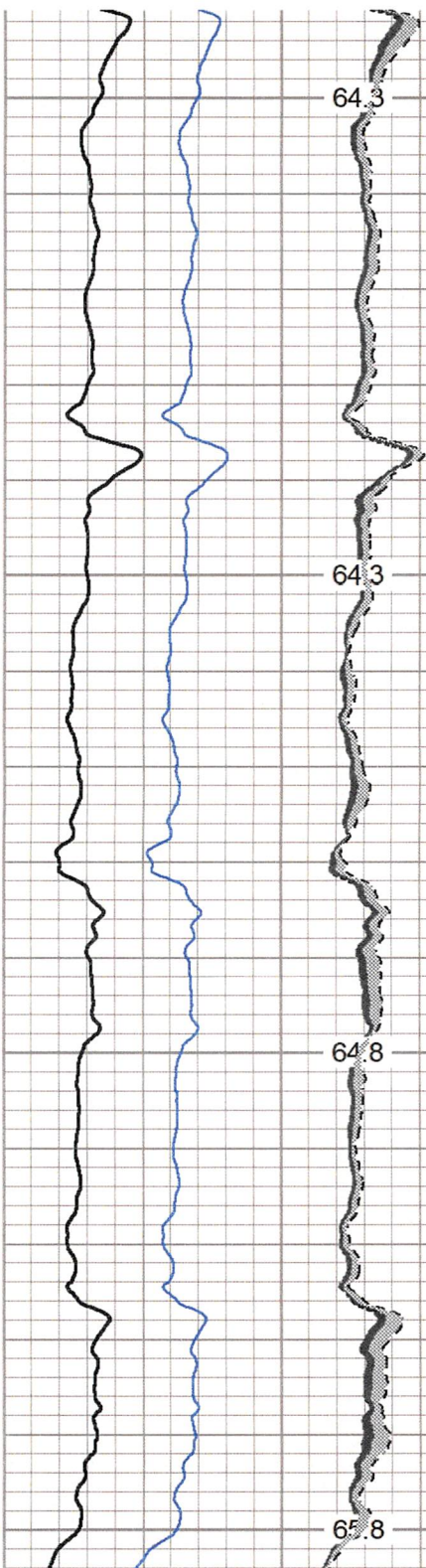
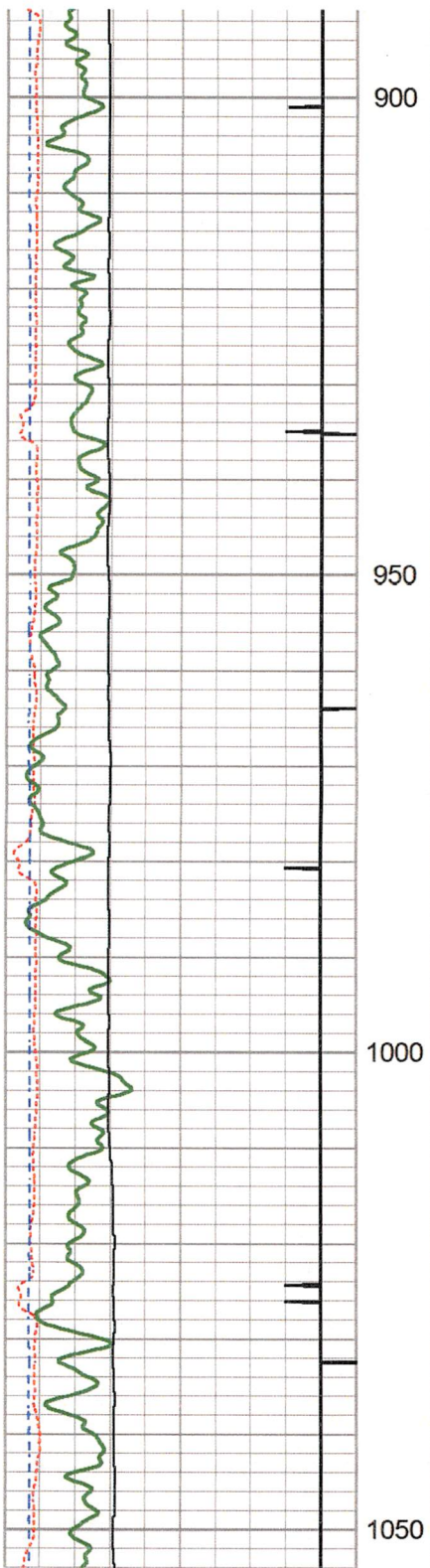
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61.7

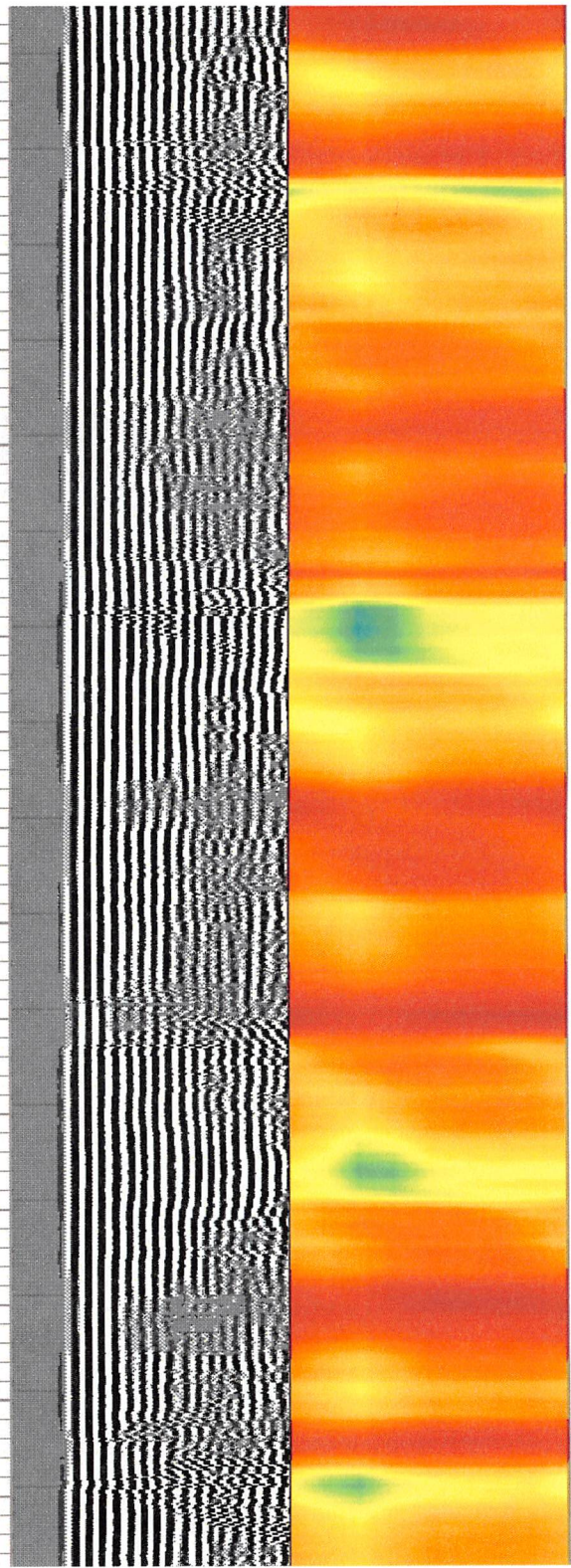
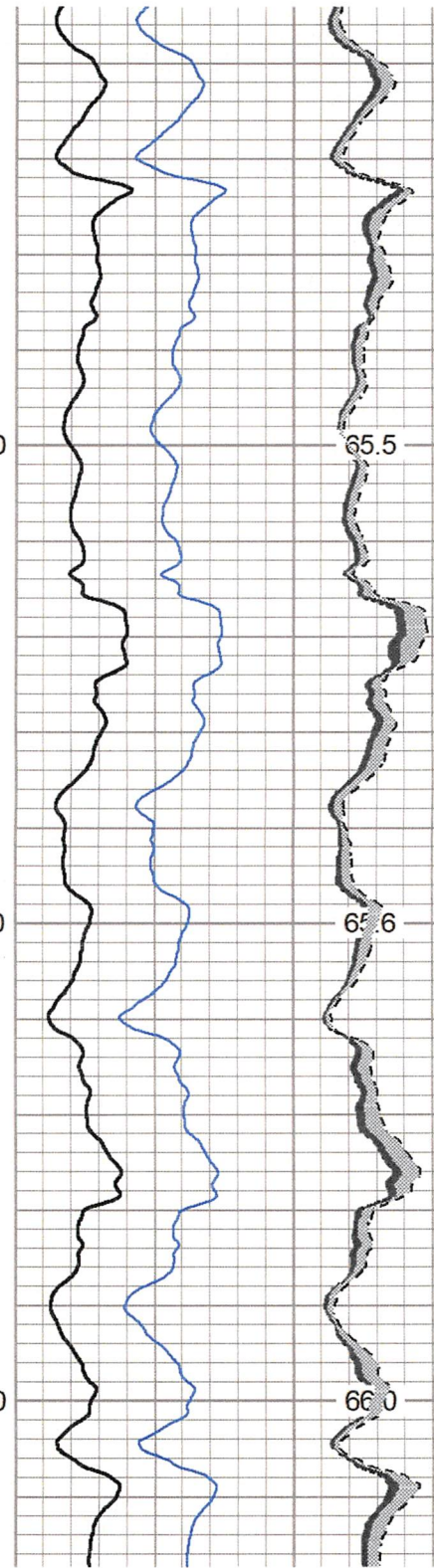
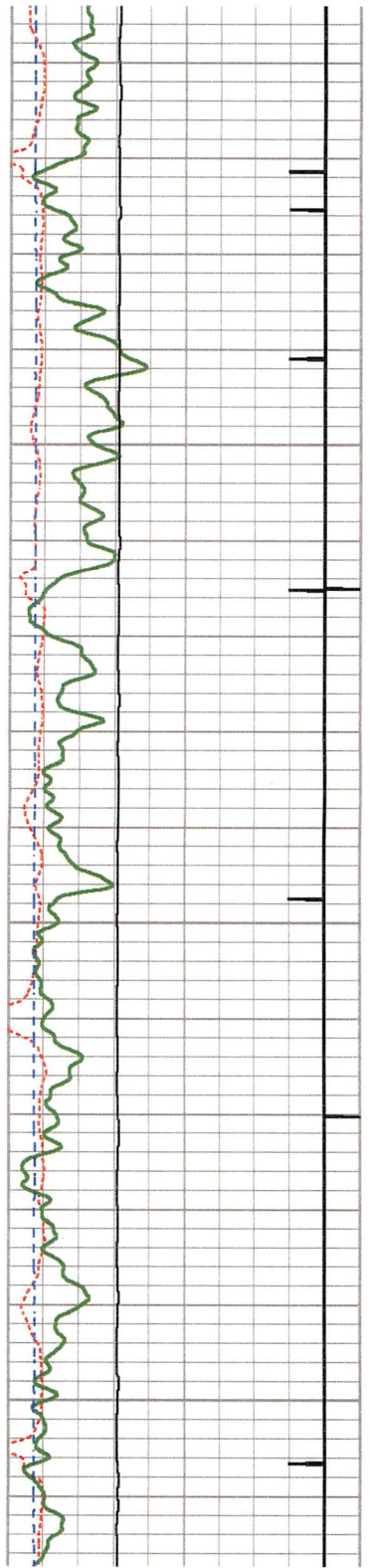
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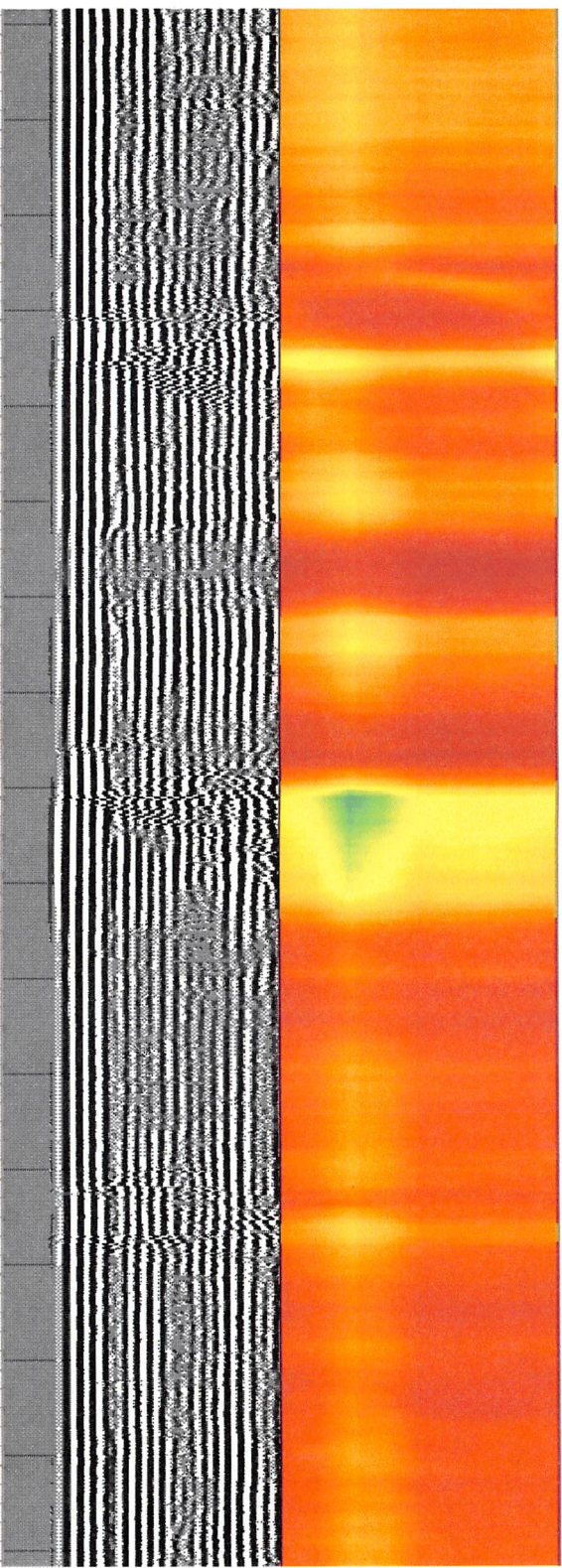
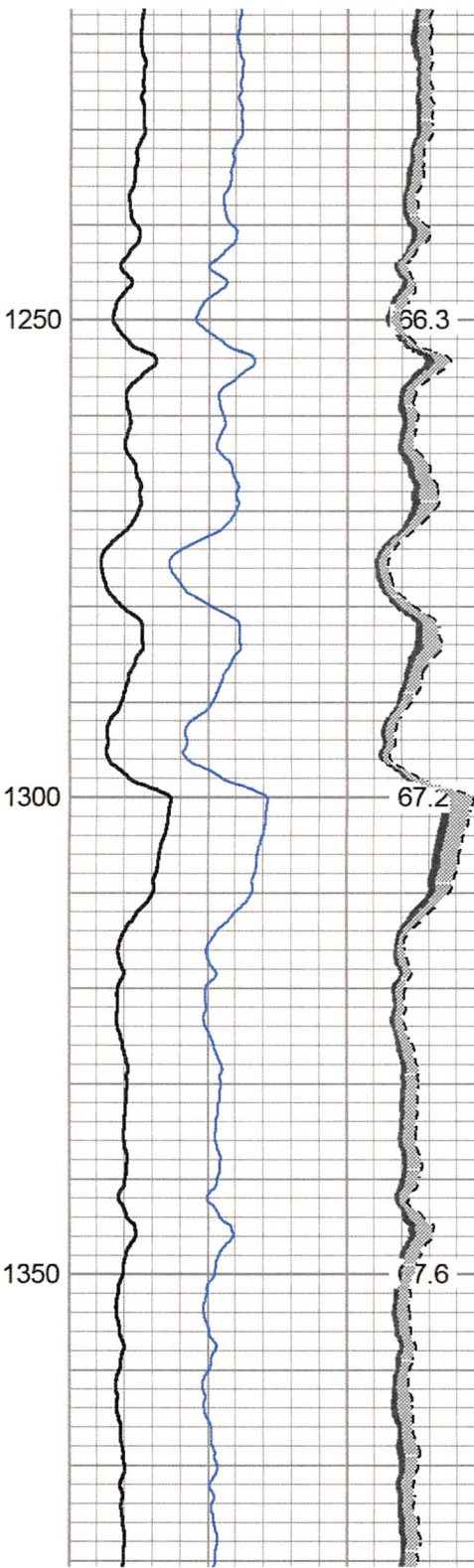
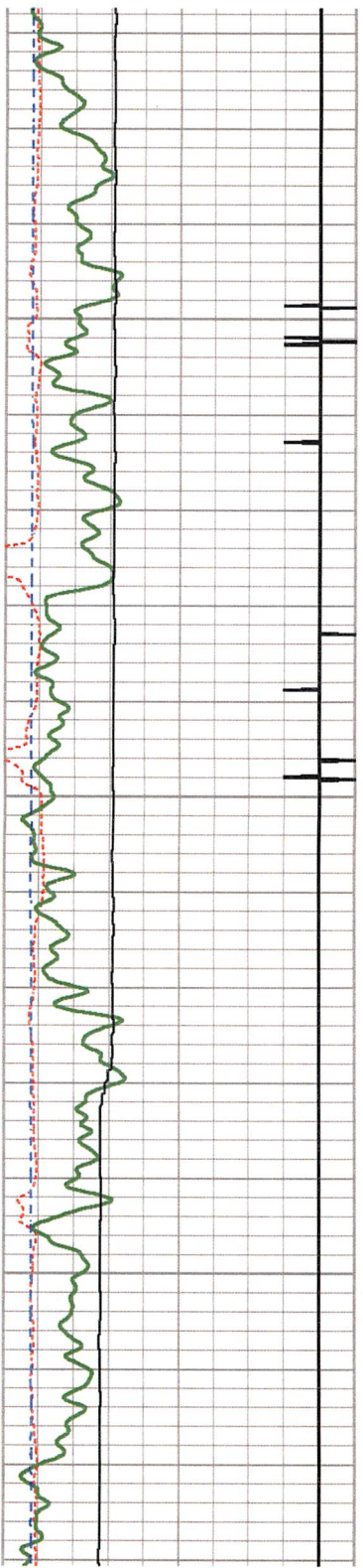


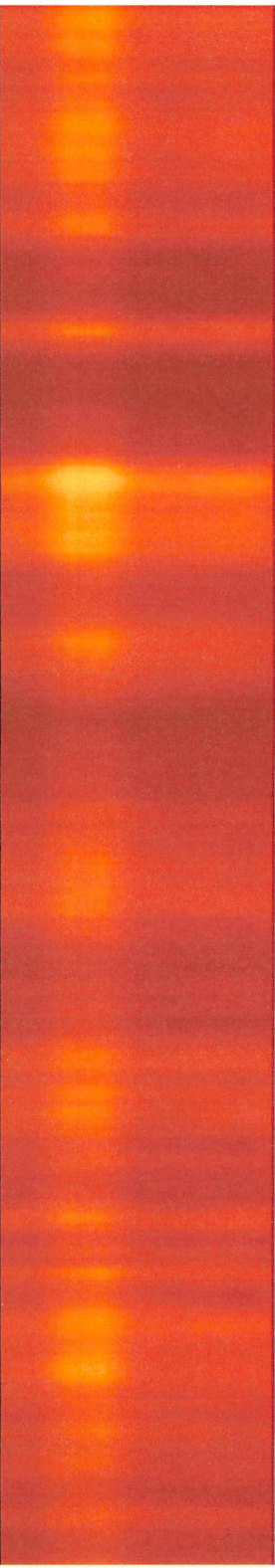
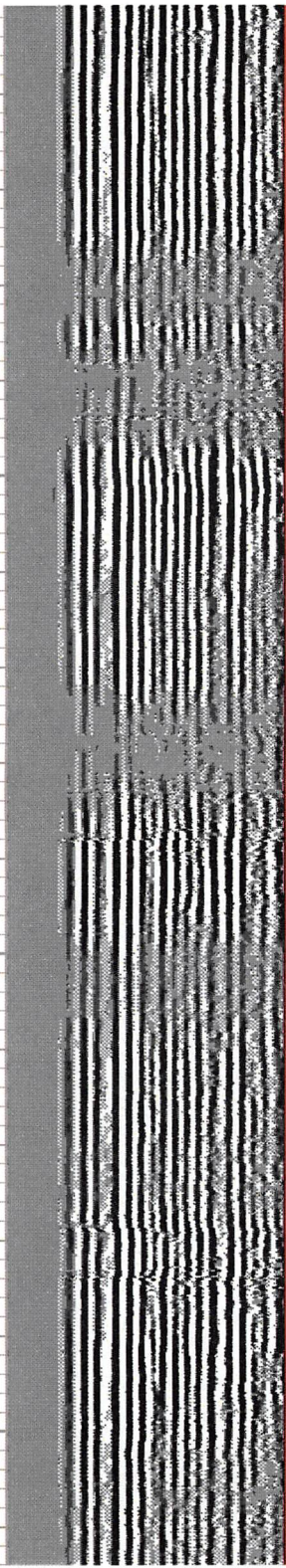
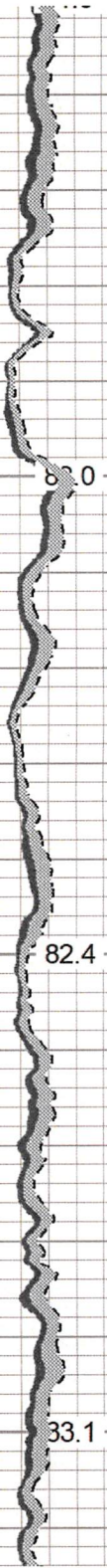
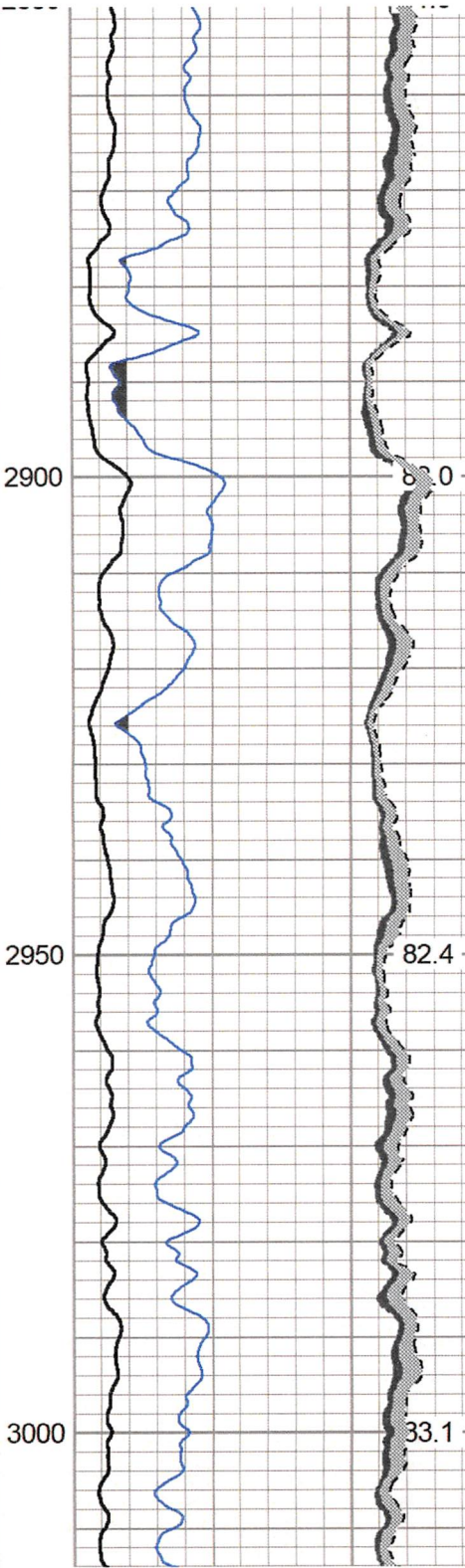
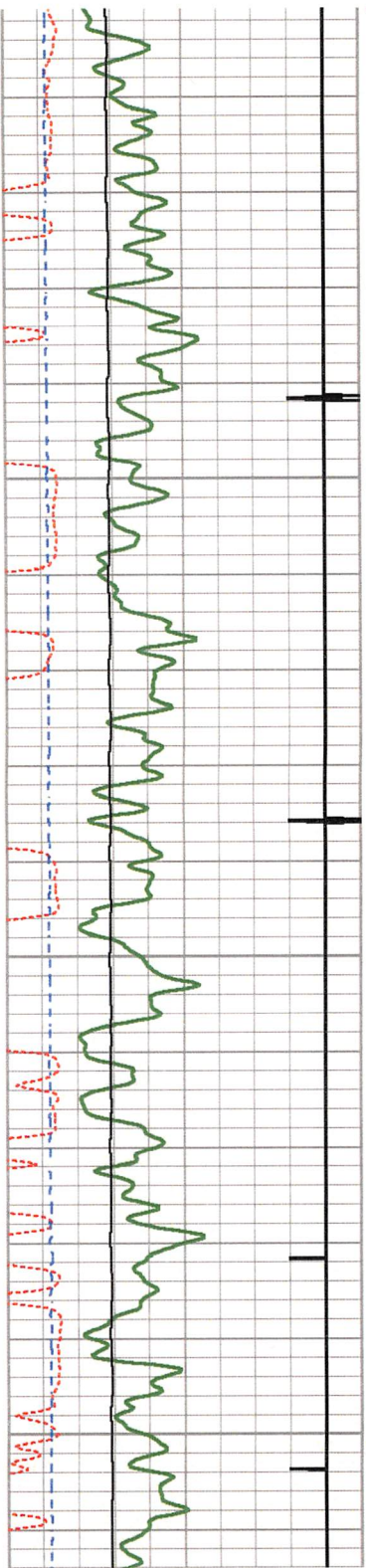


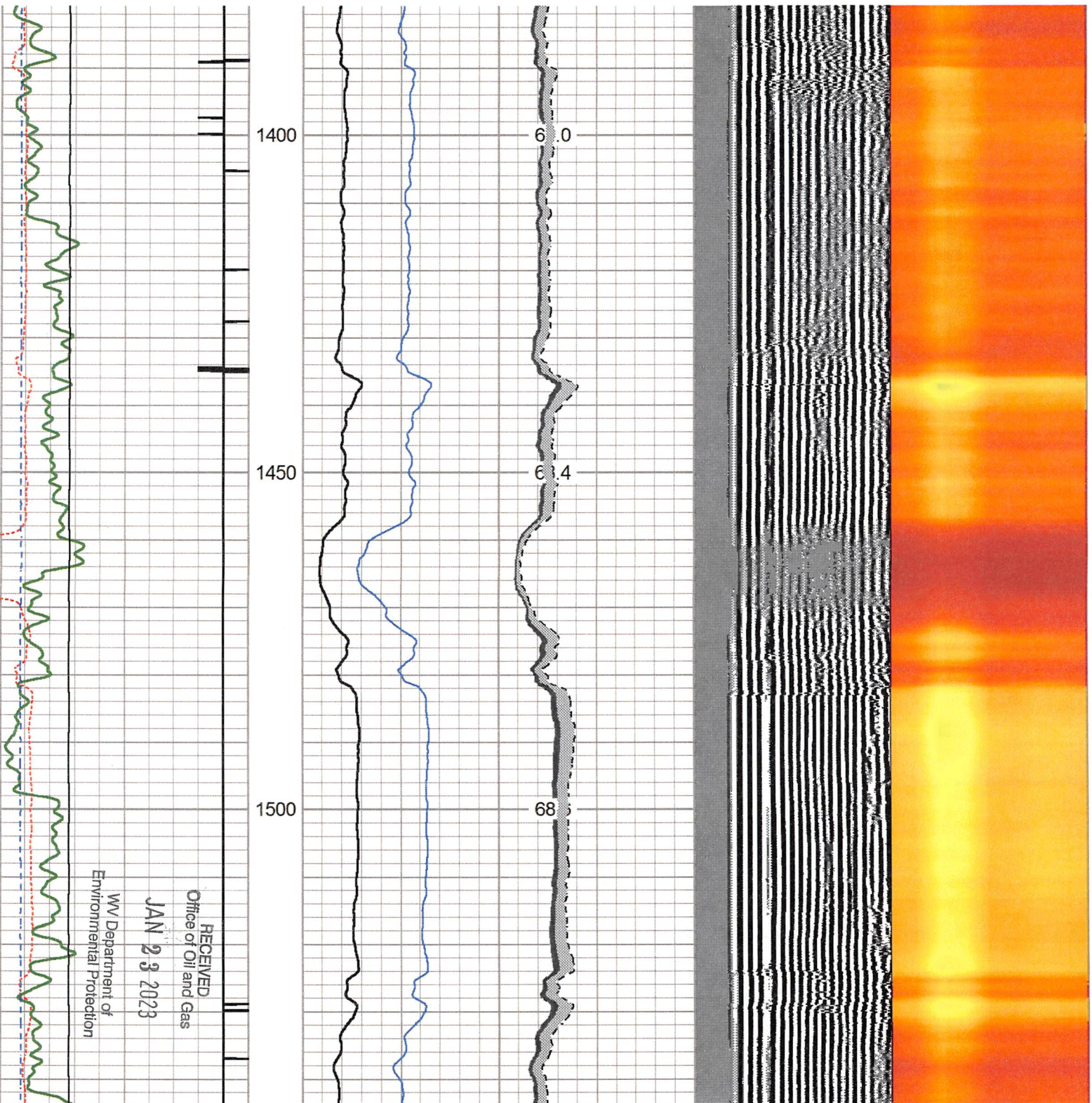


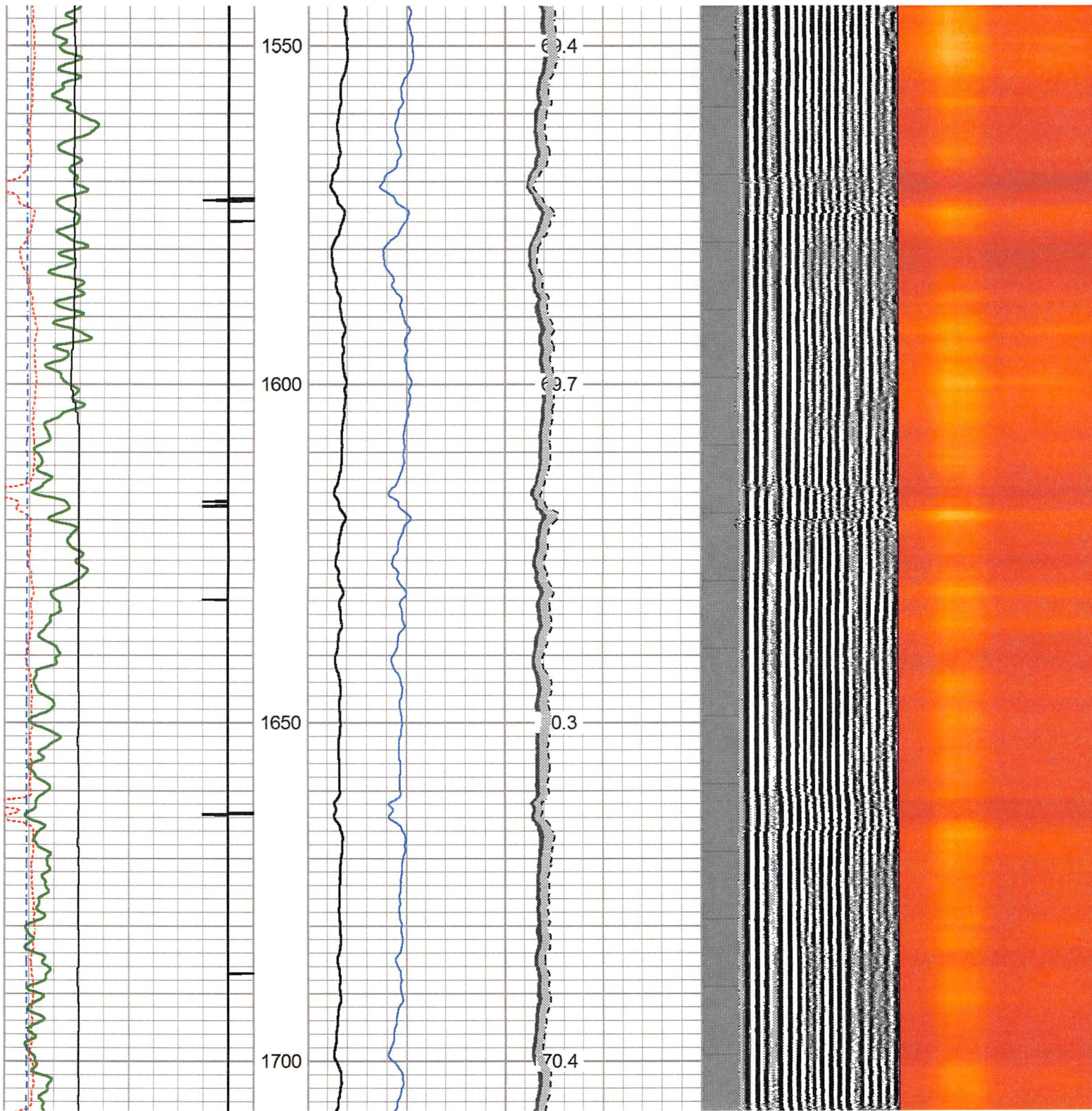


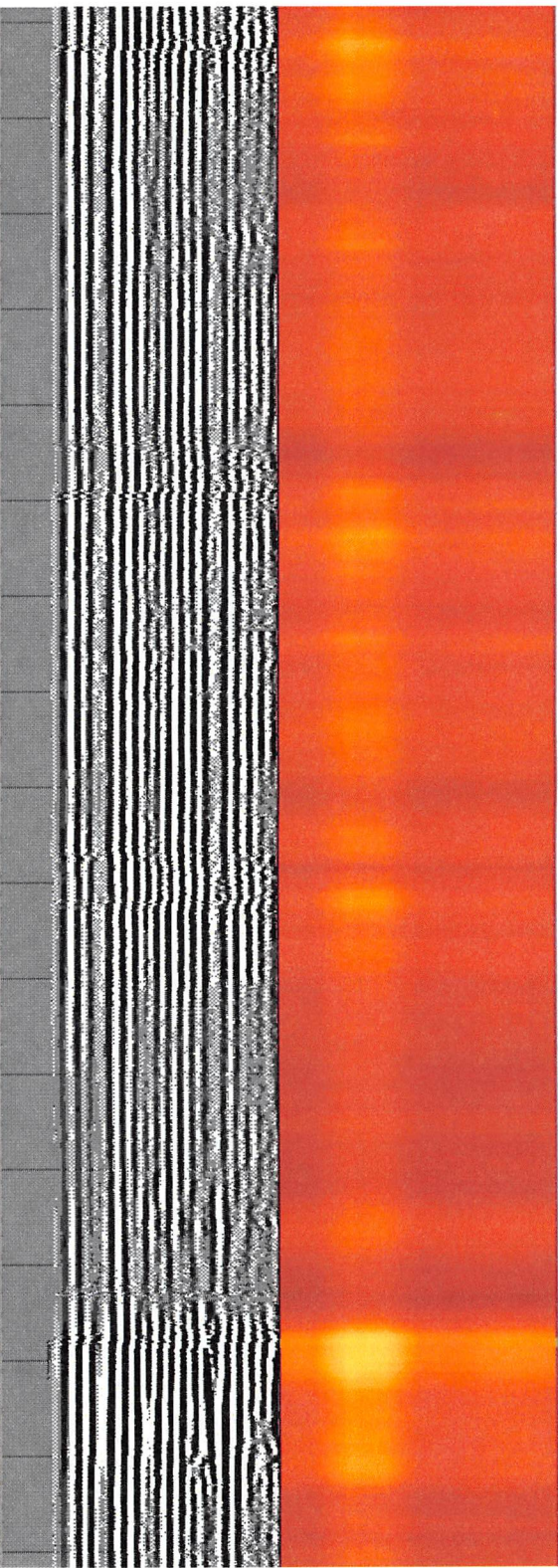
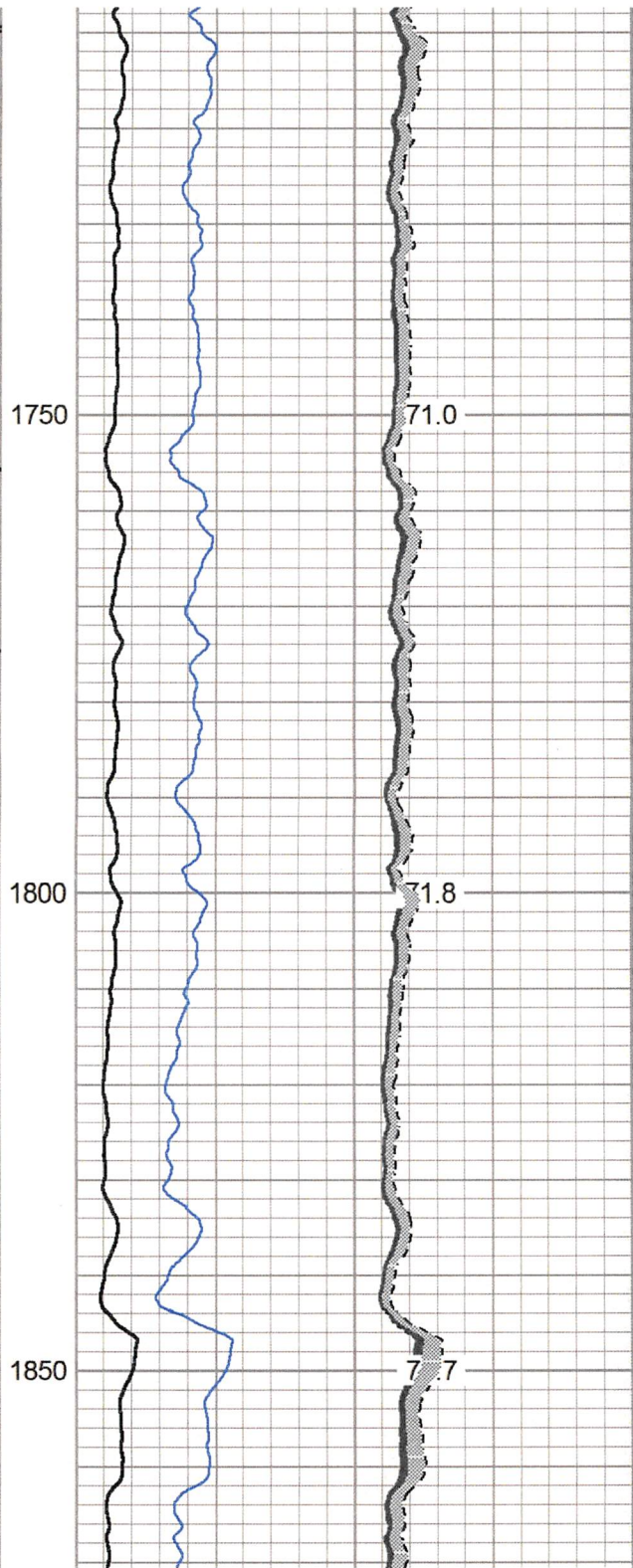
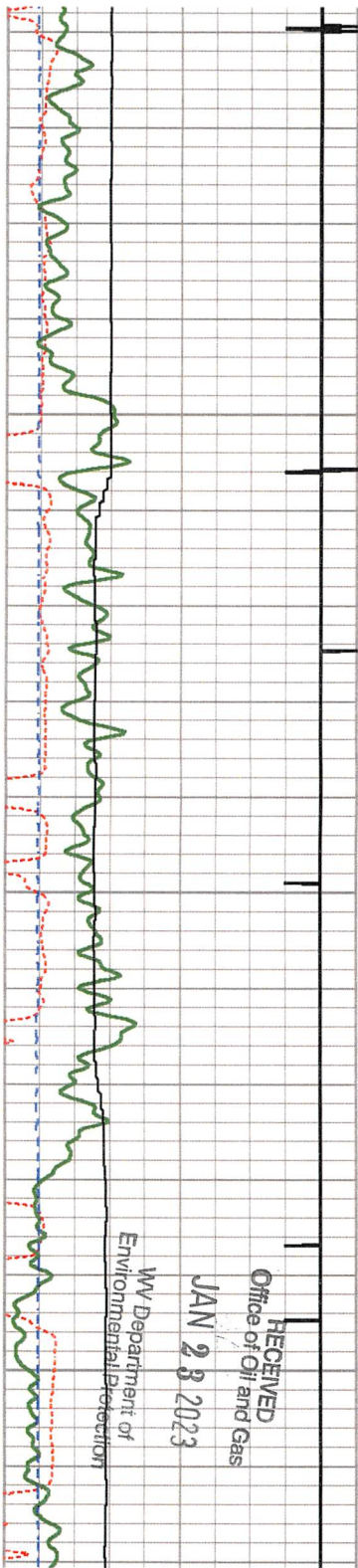


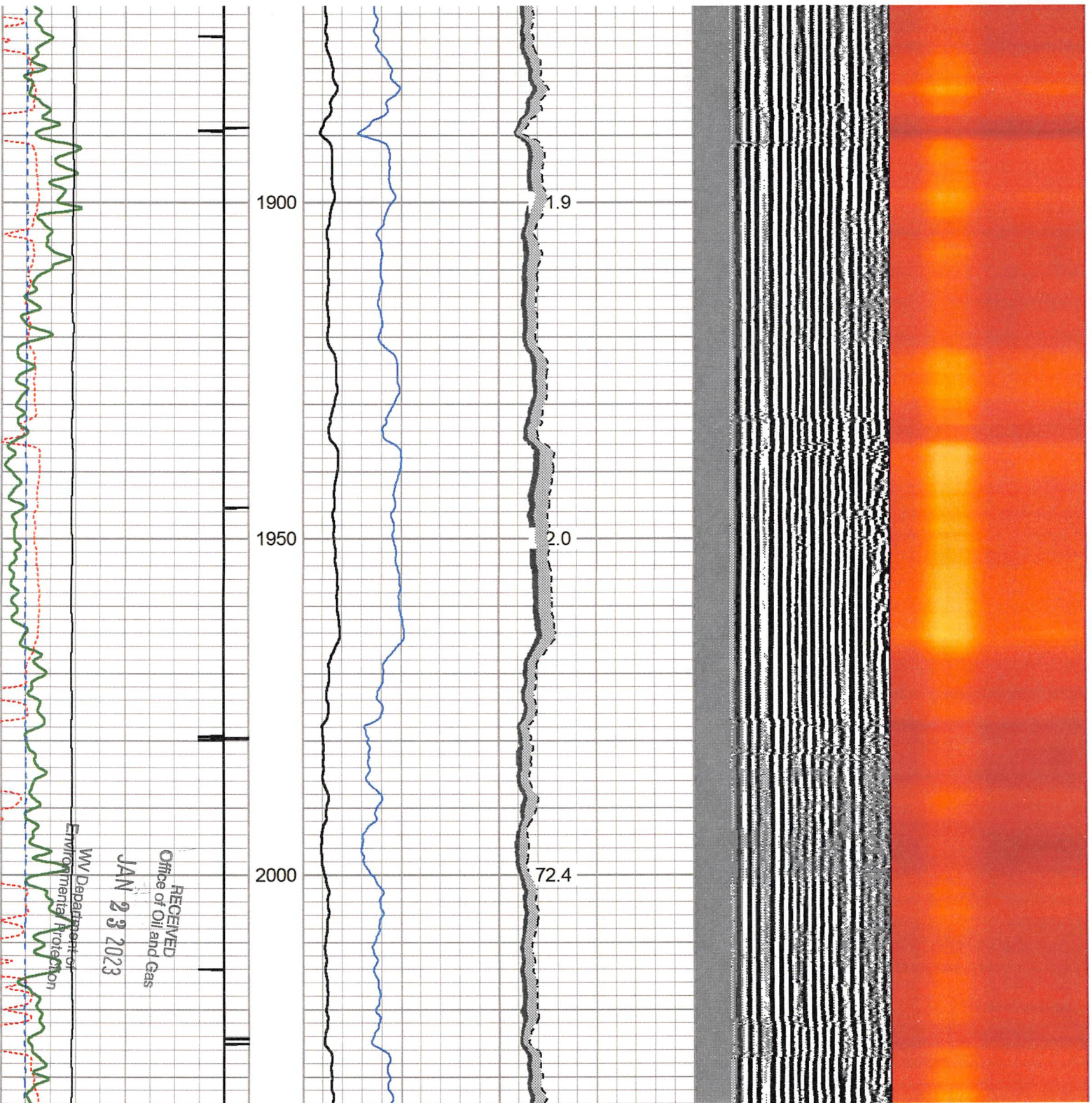


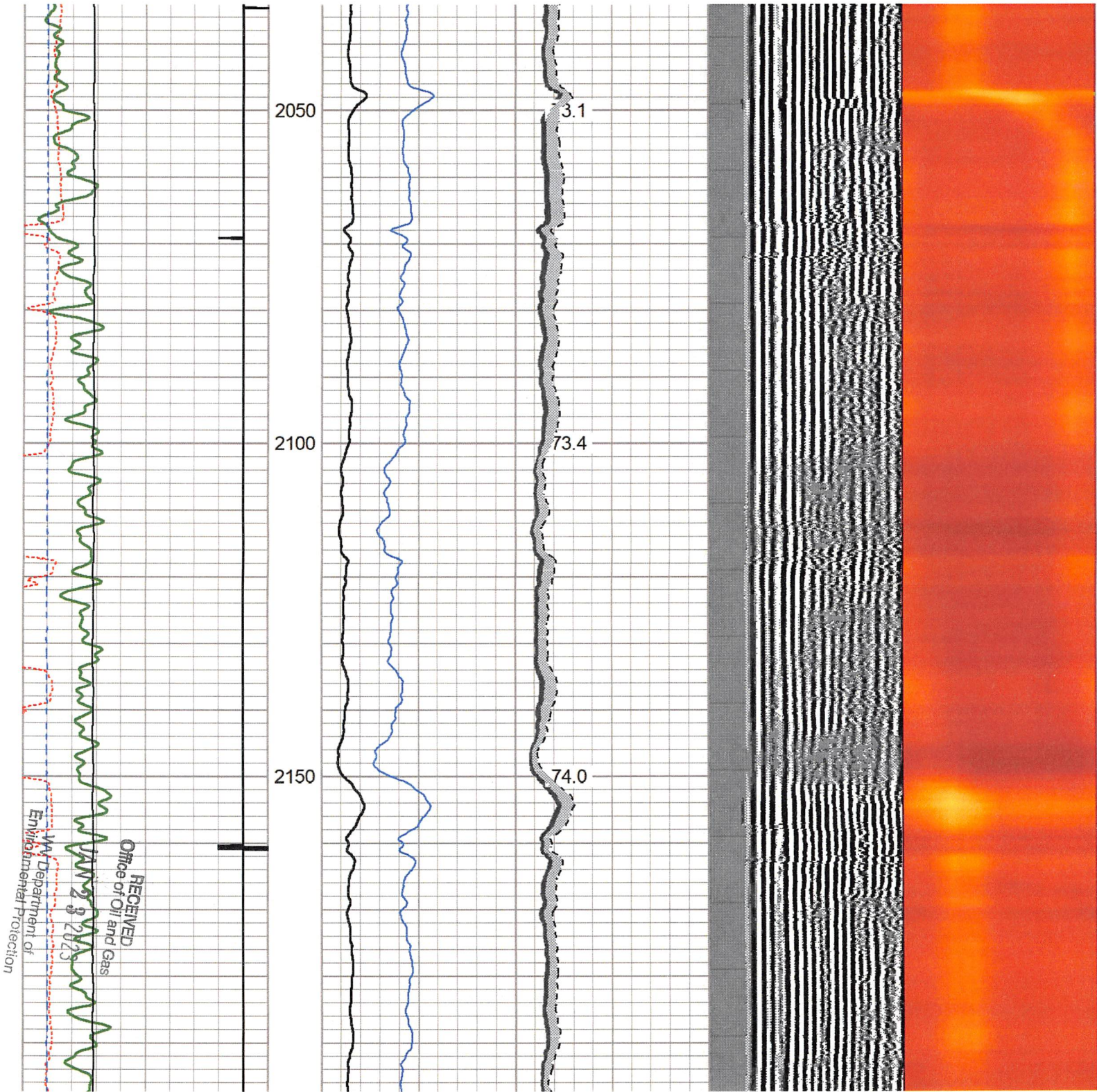




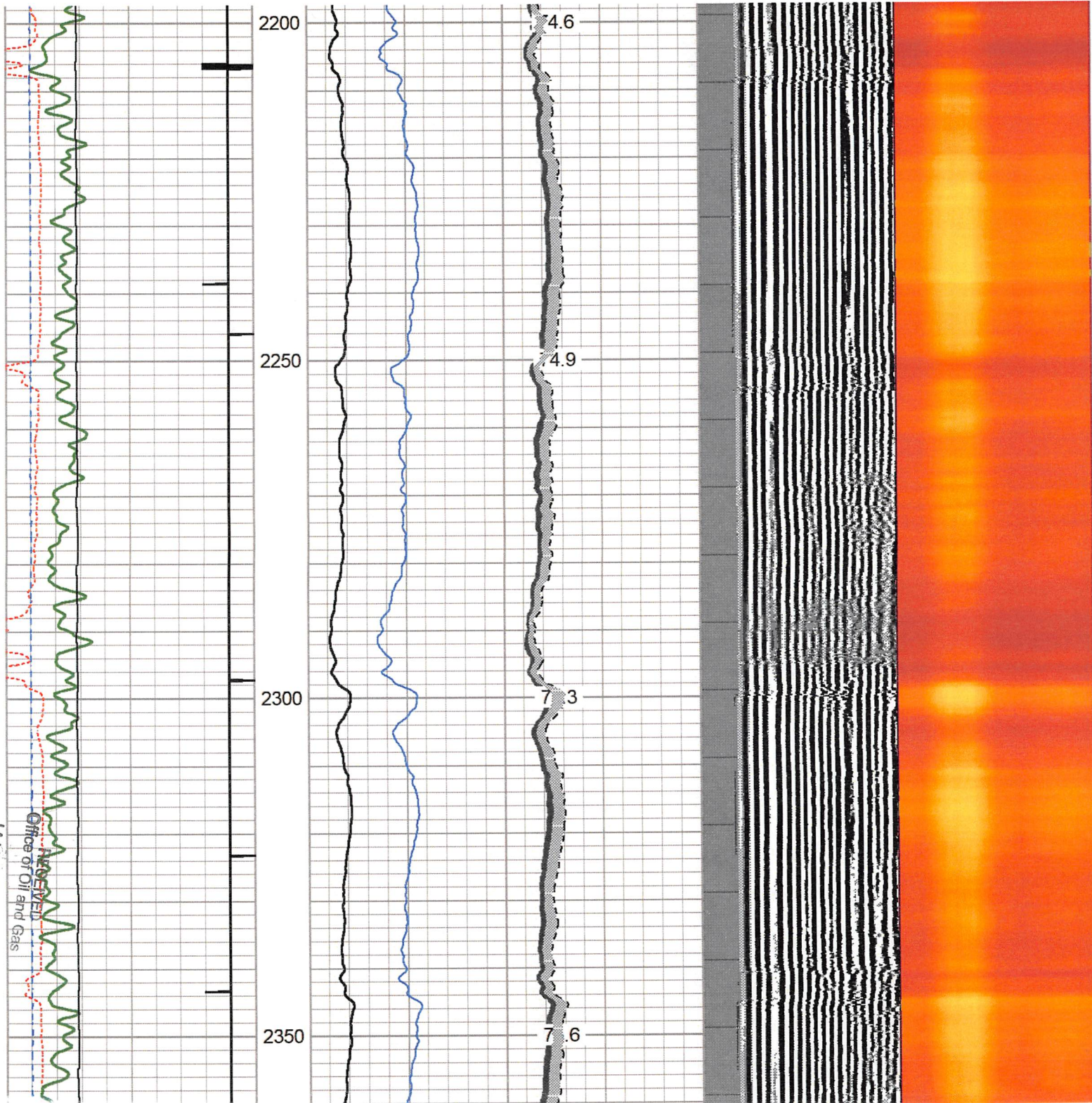








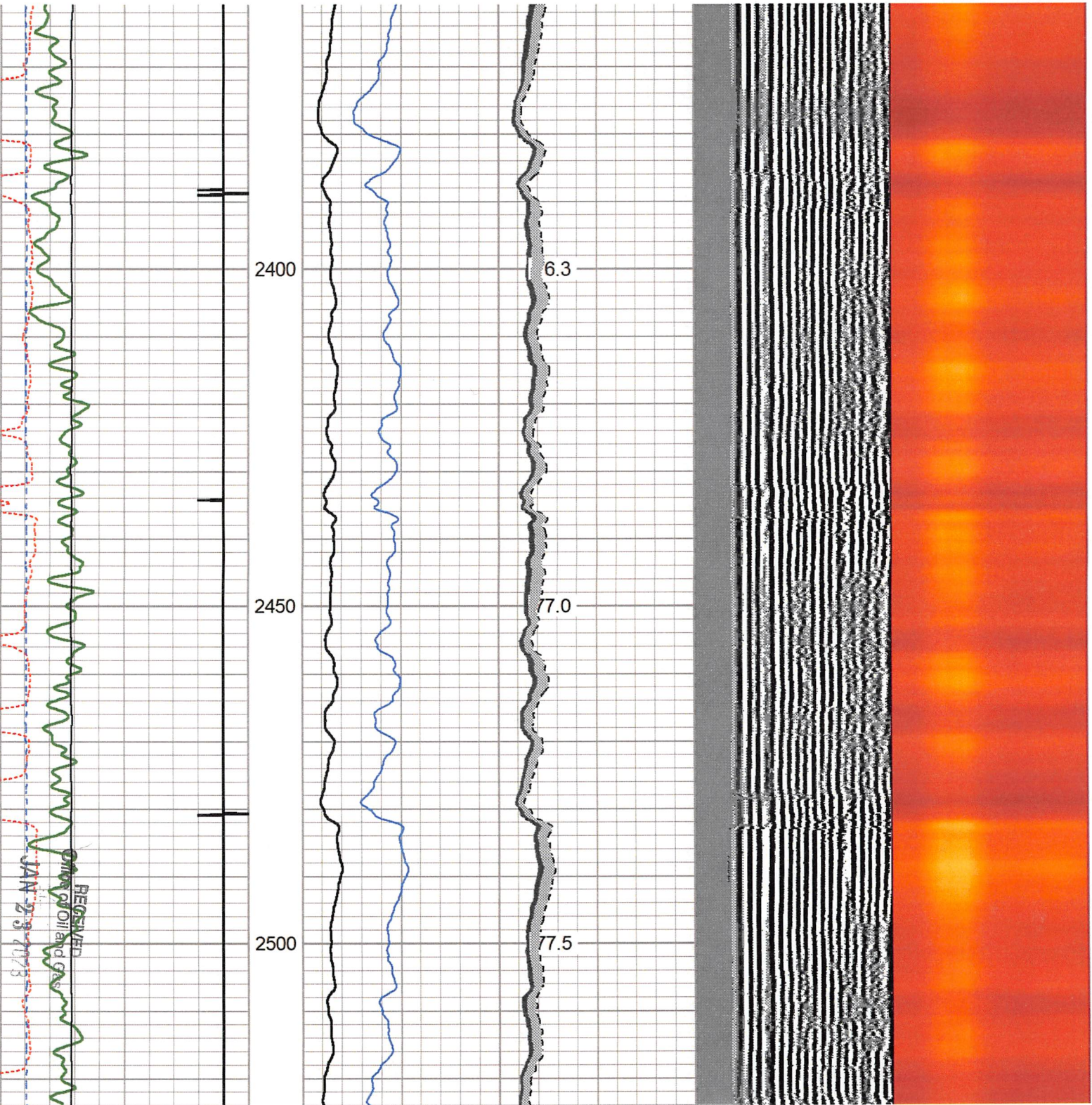


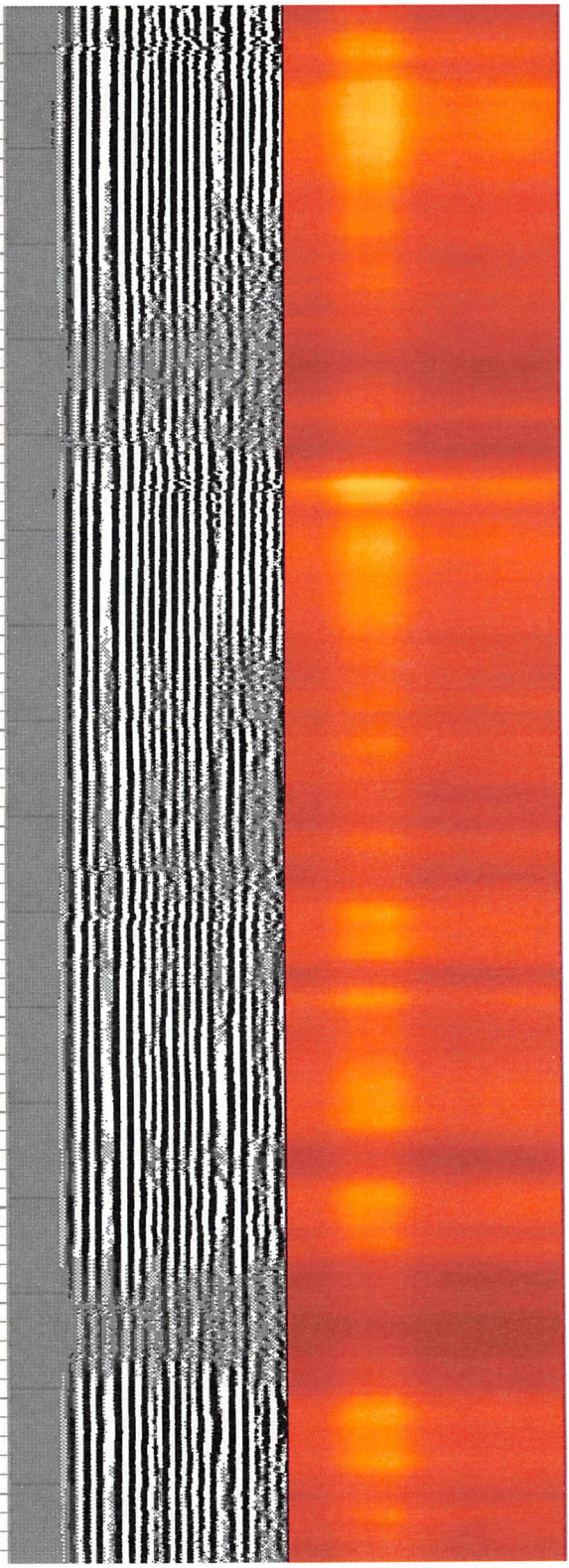
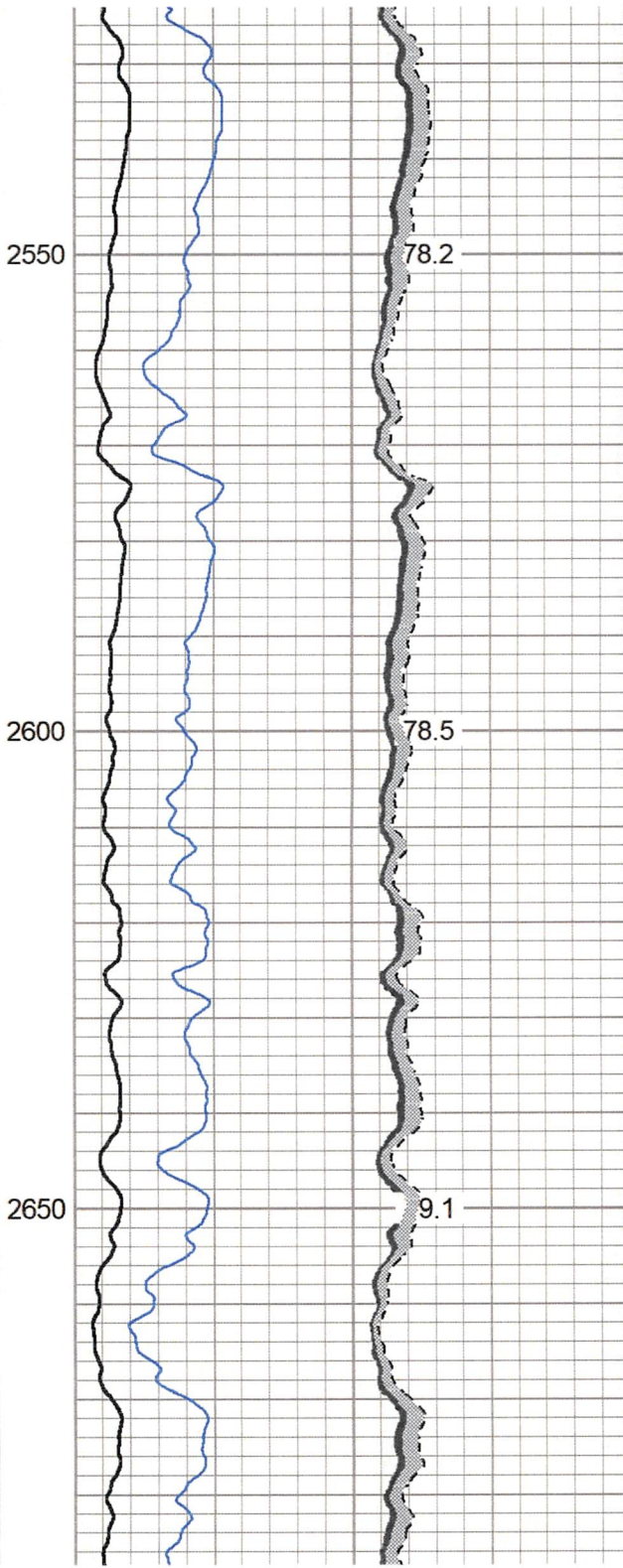
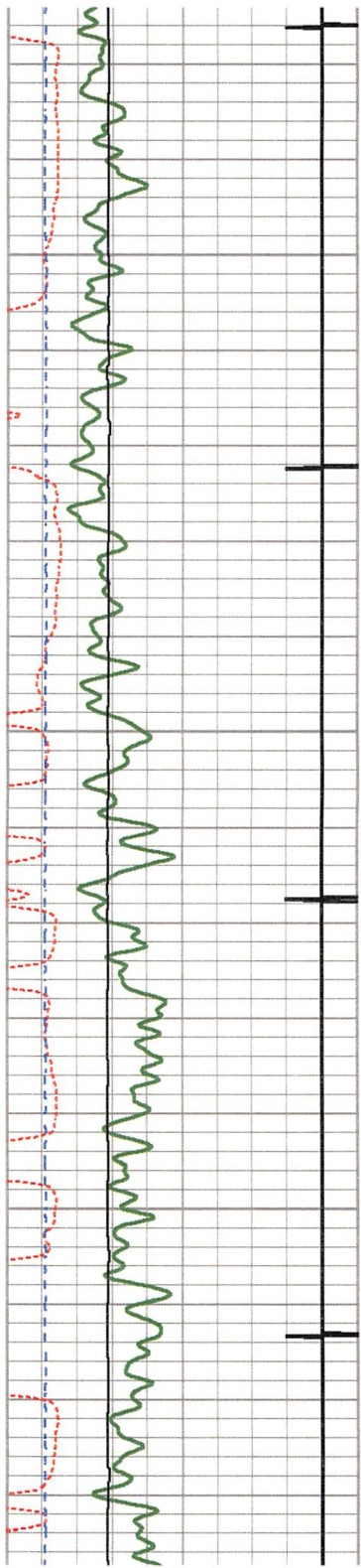


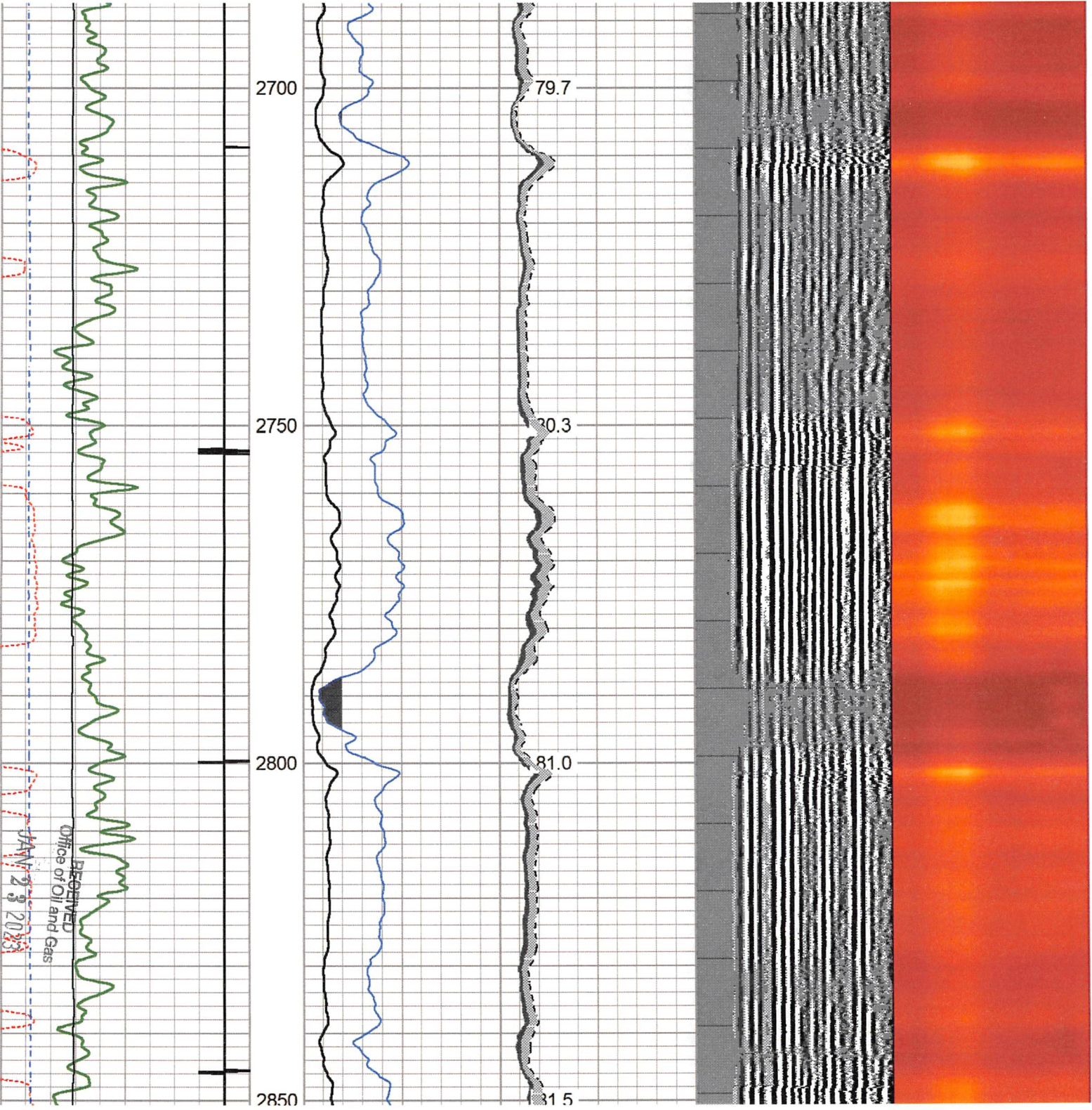
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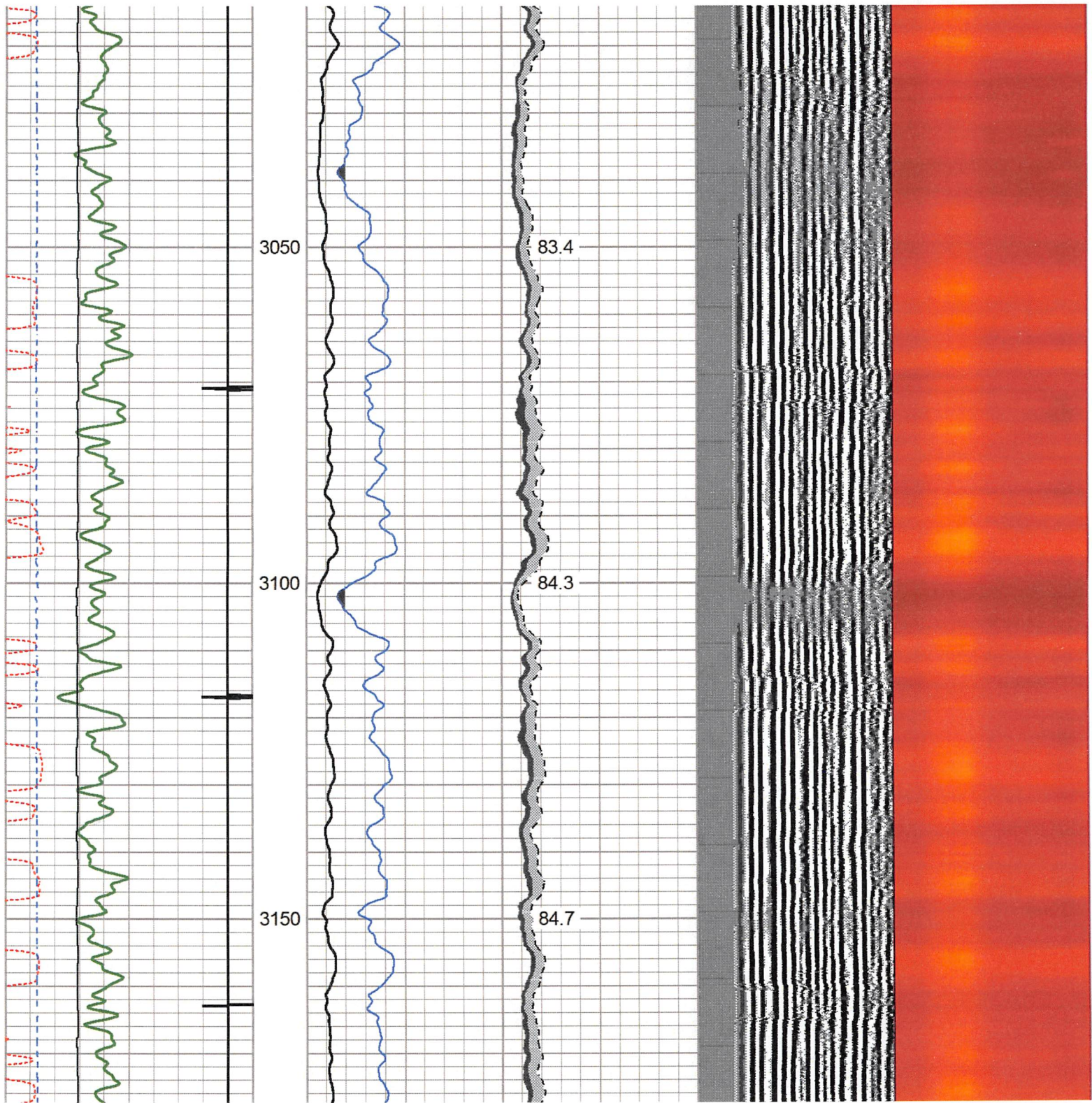
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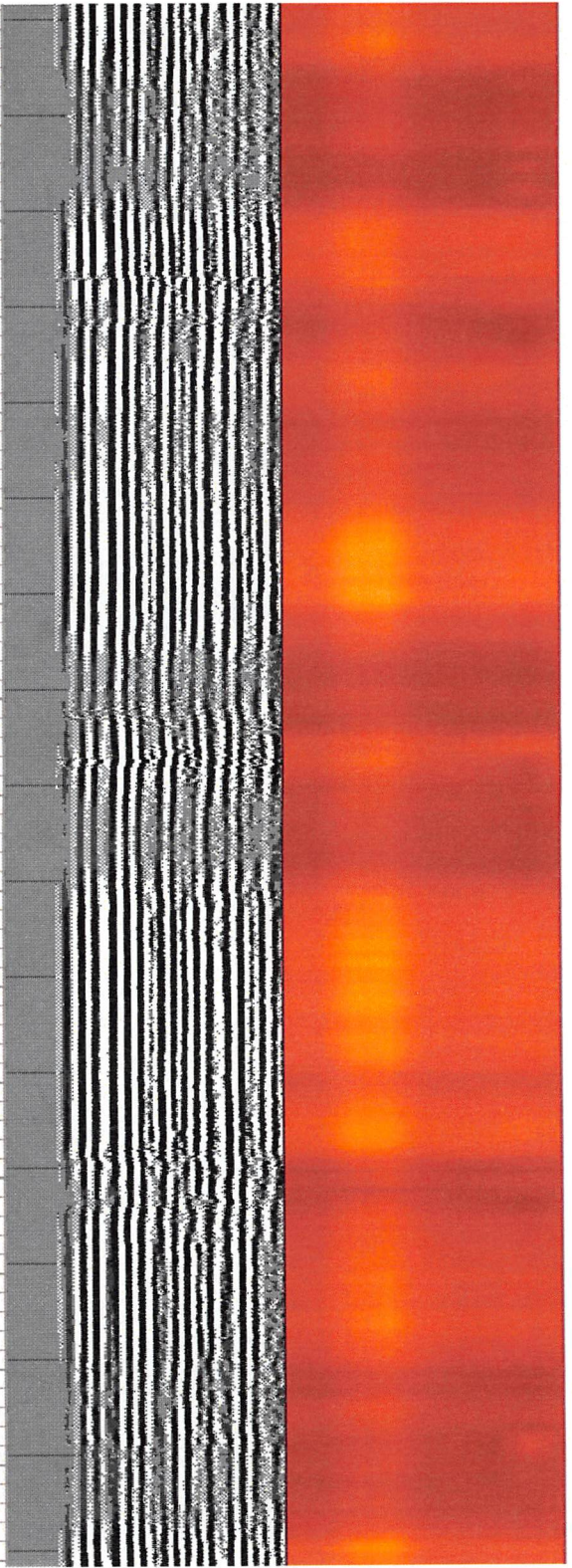
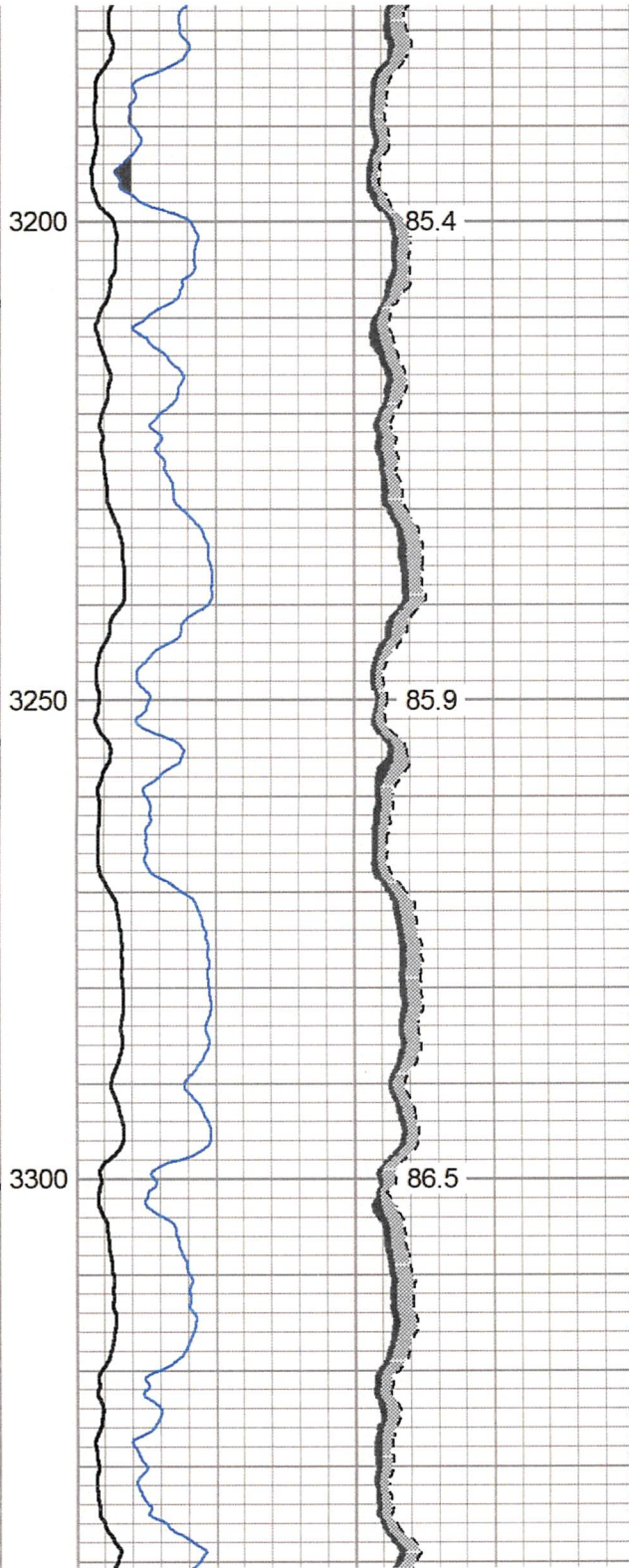
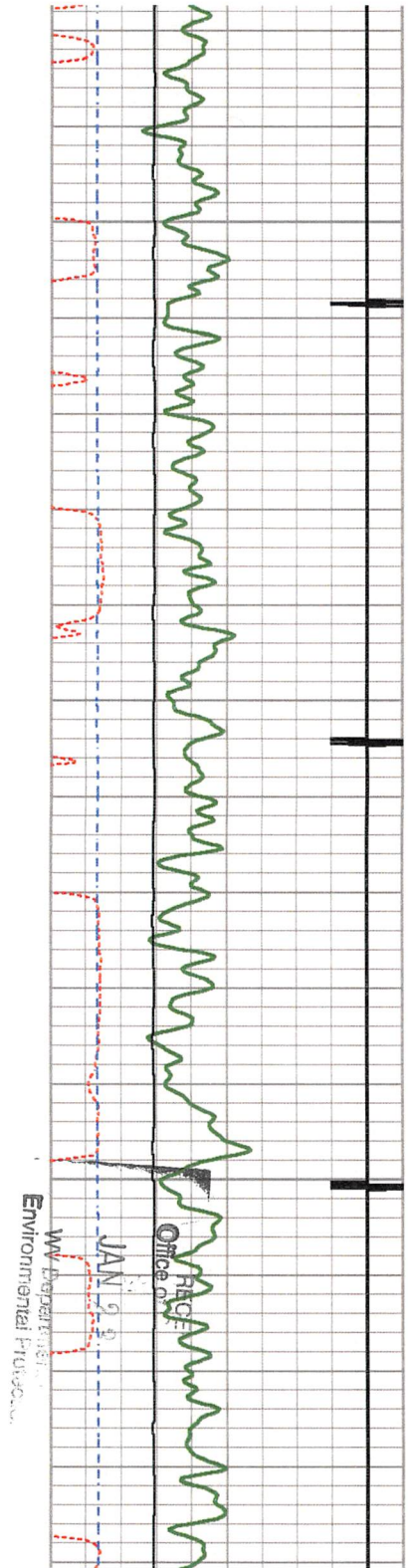


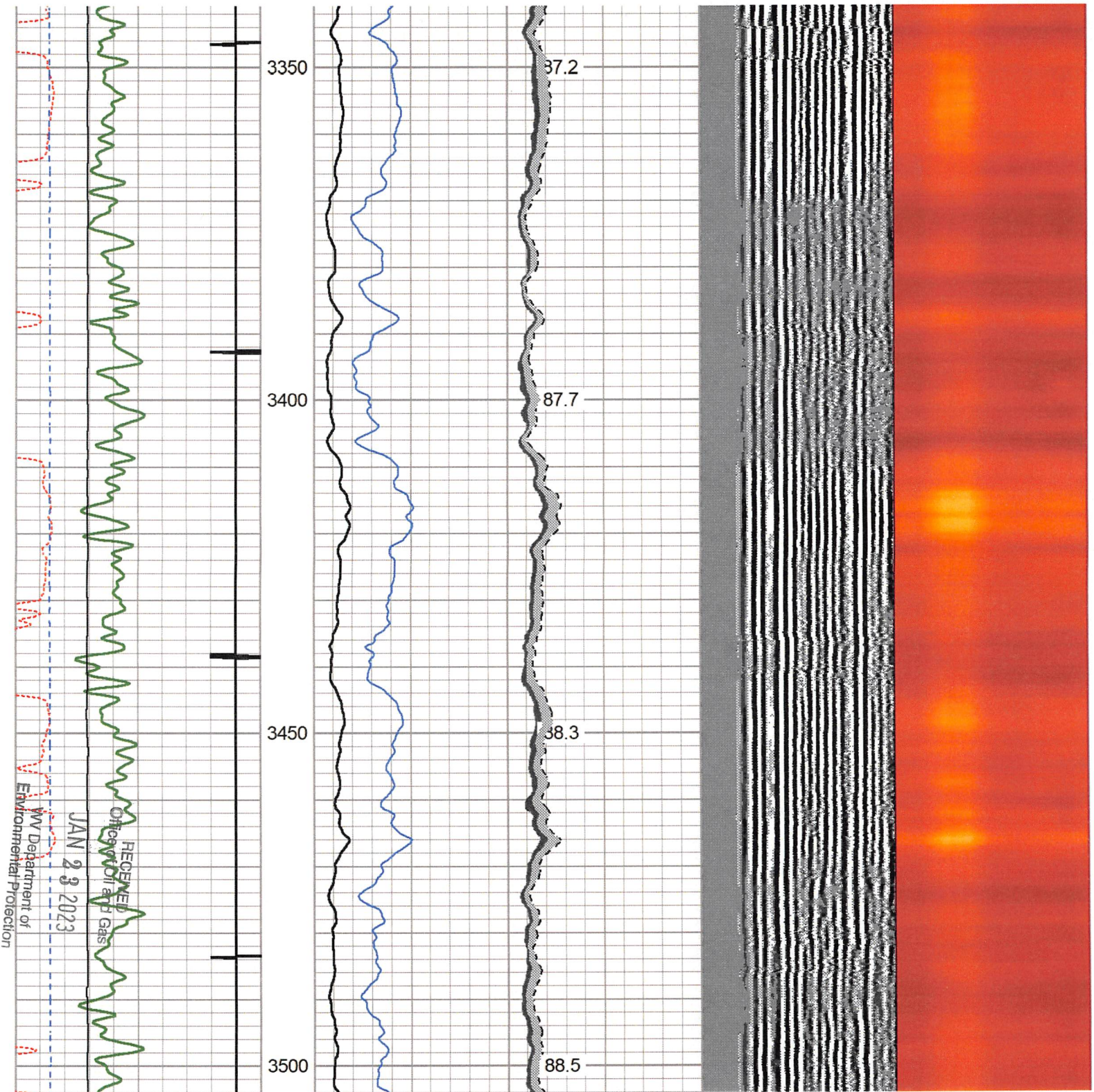


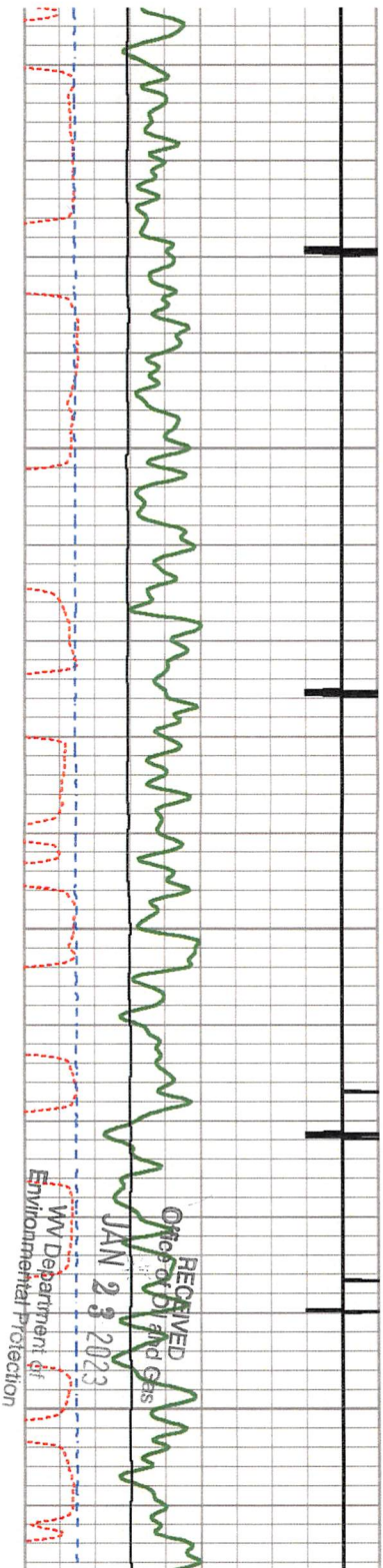
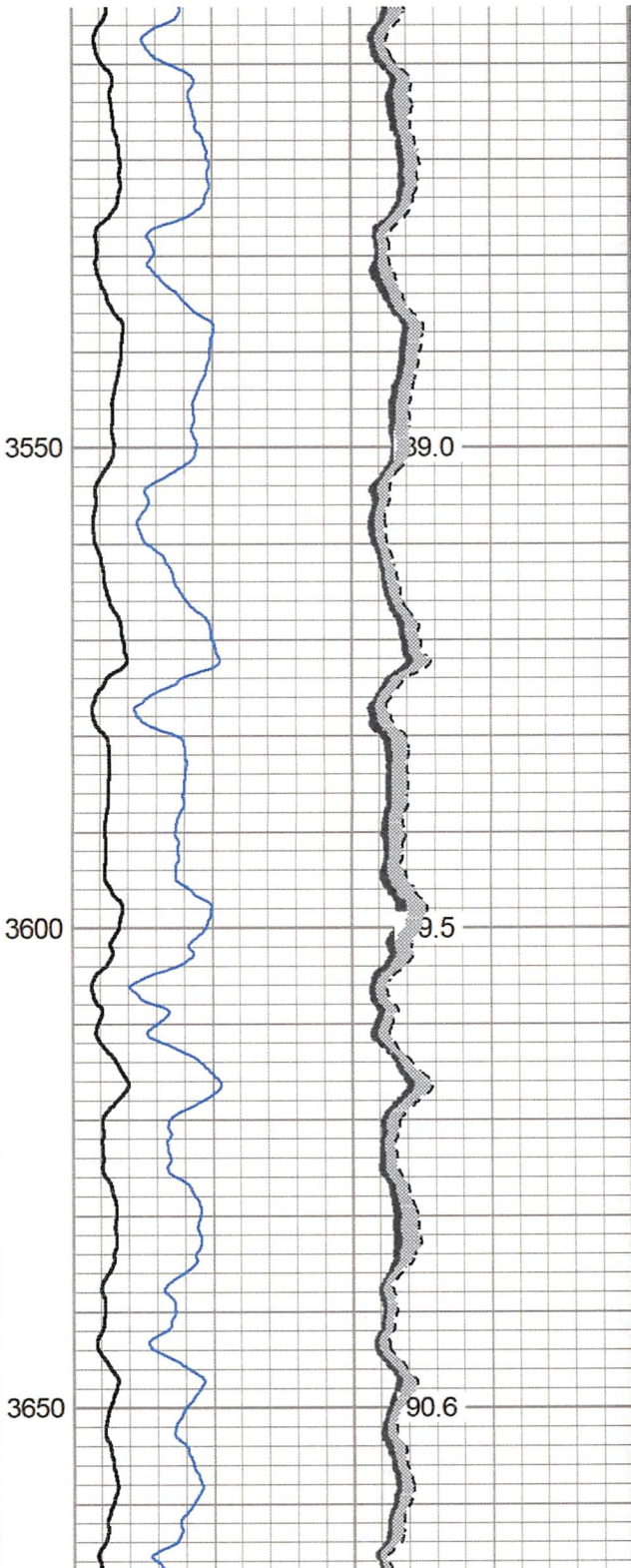
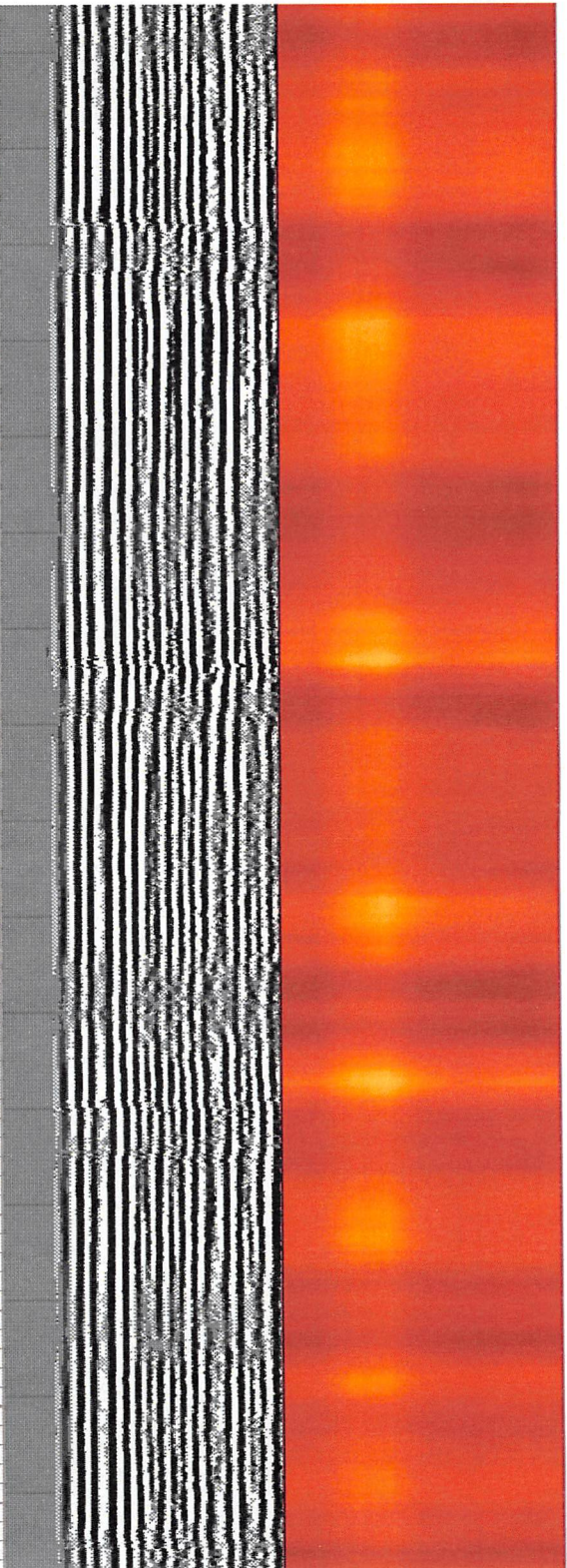


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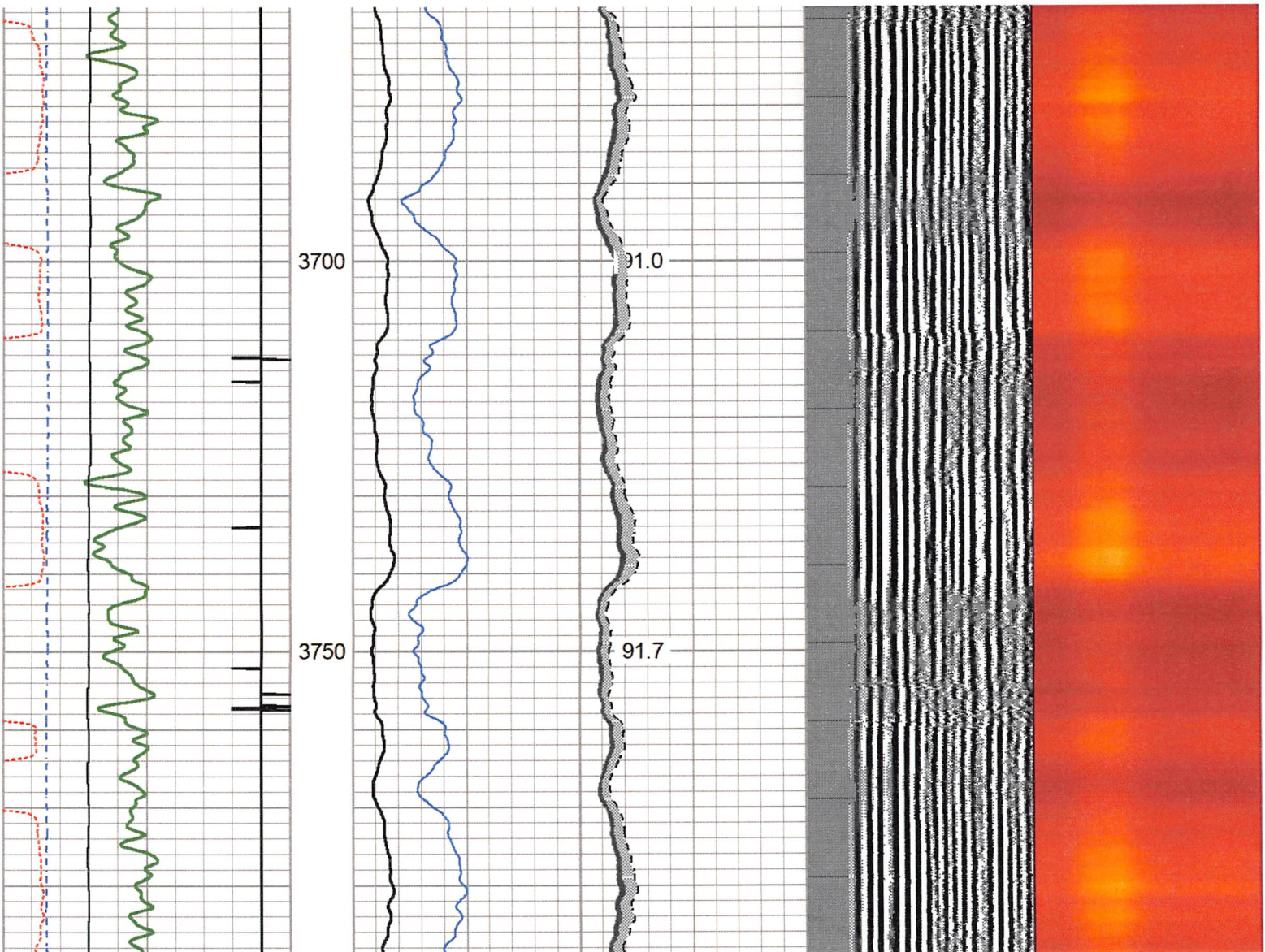




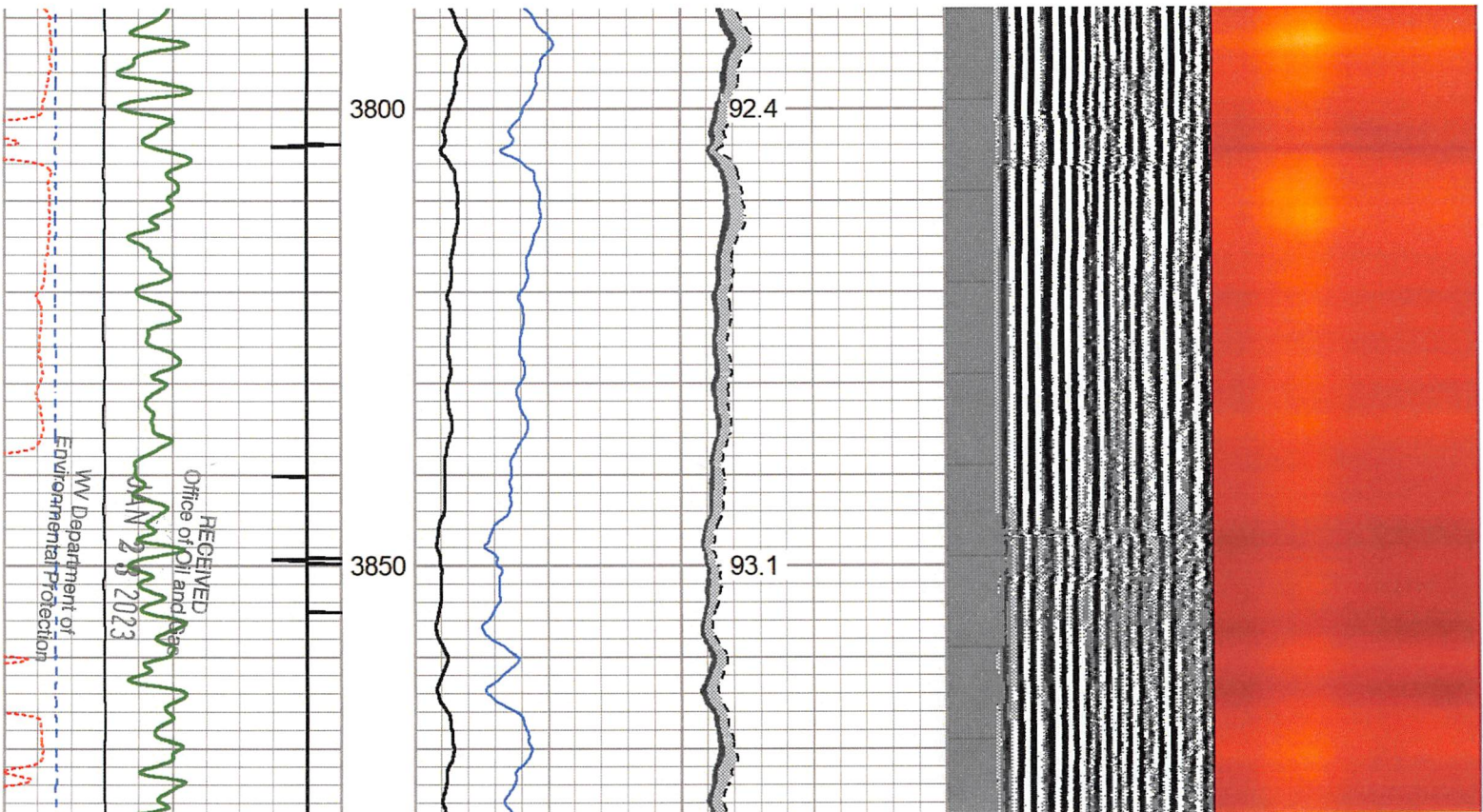


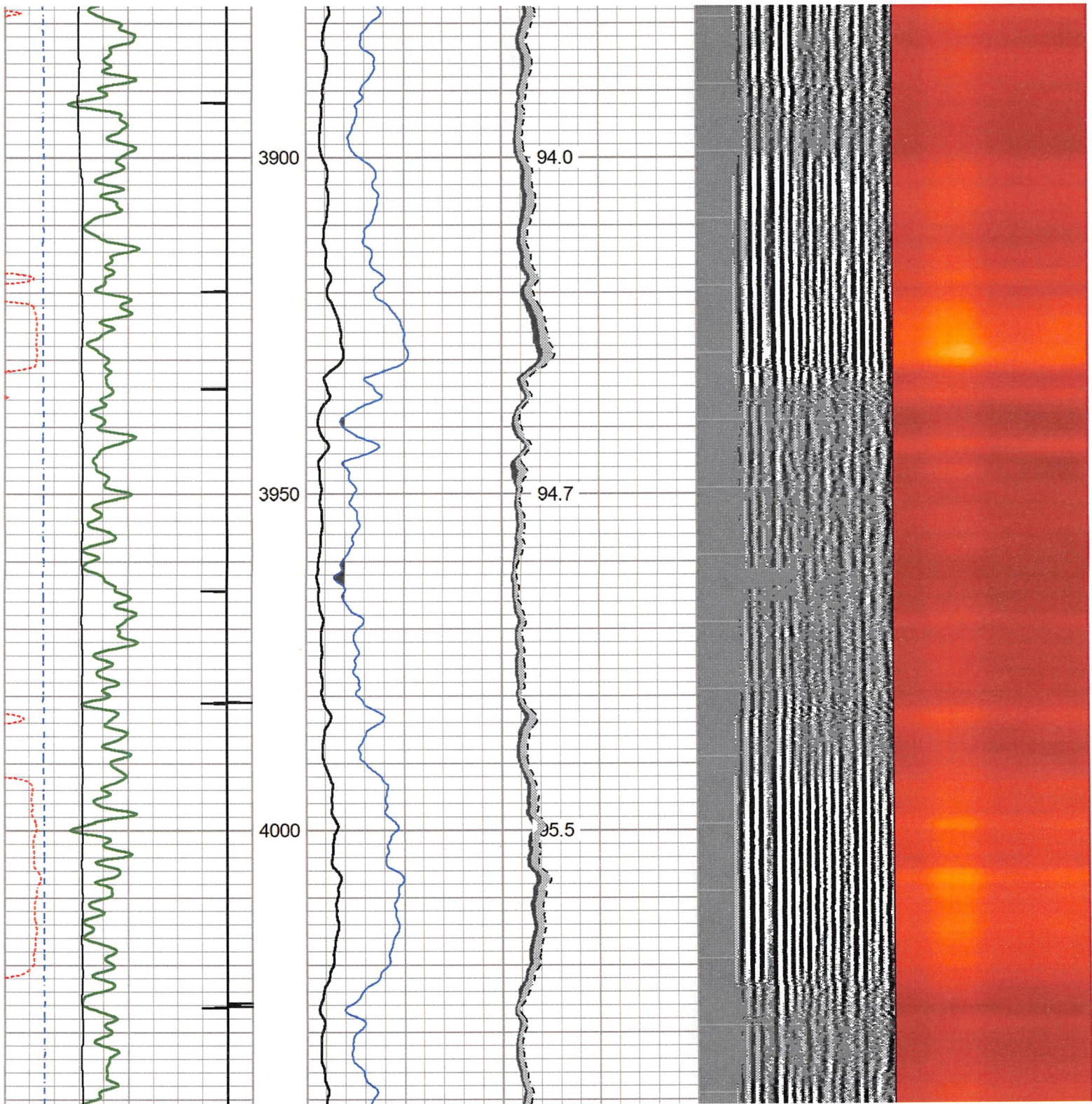




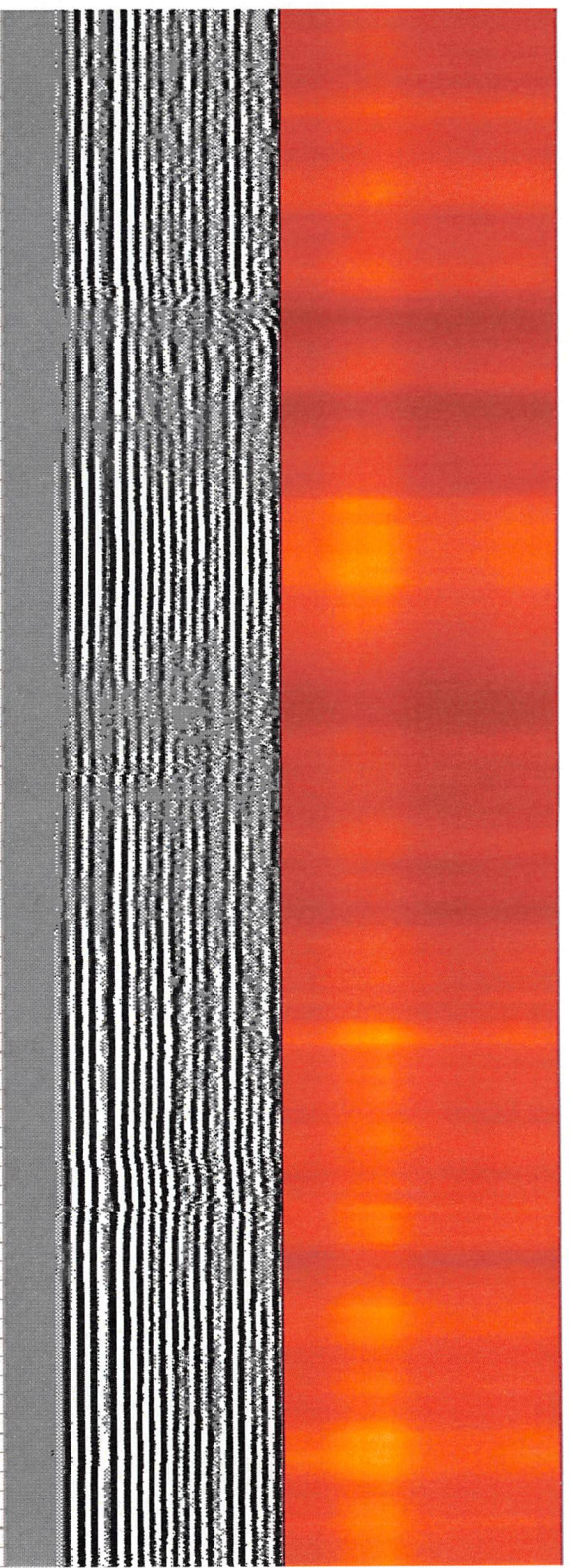
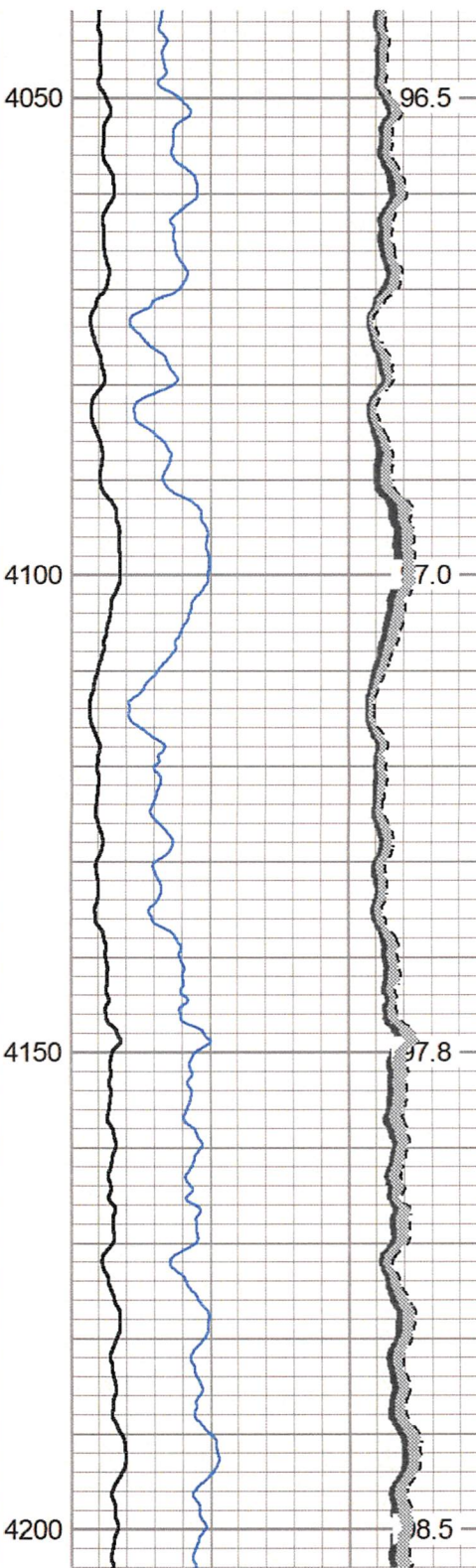
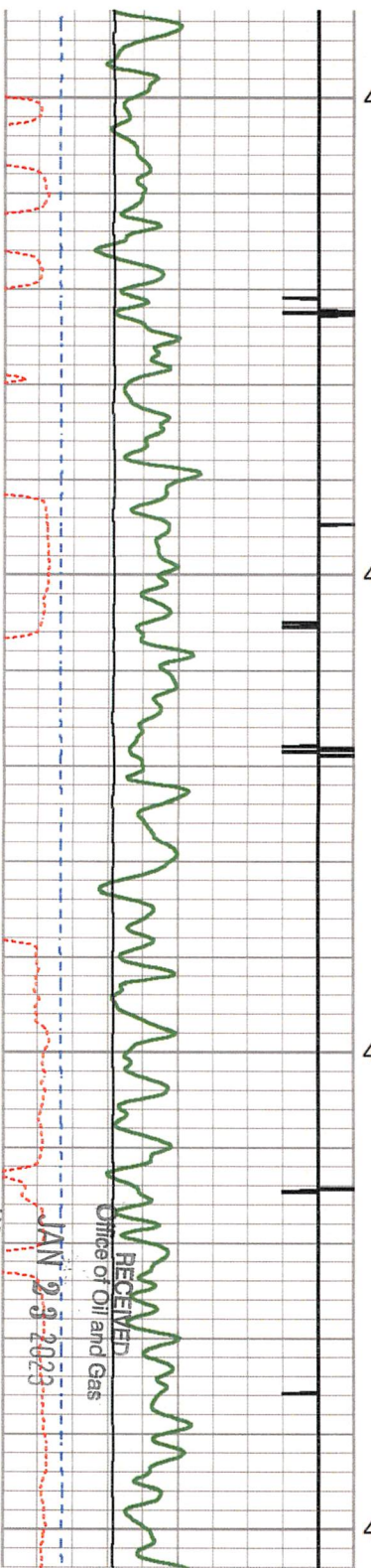


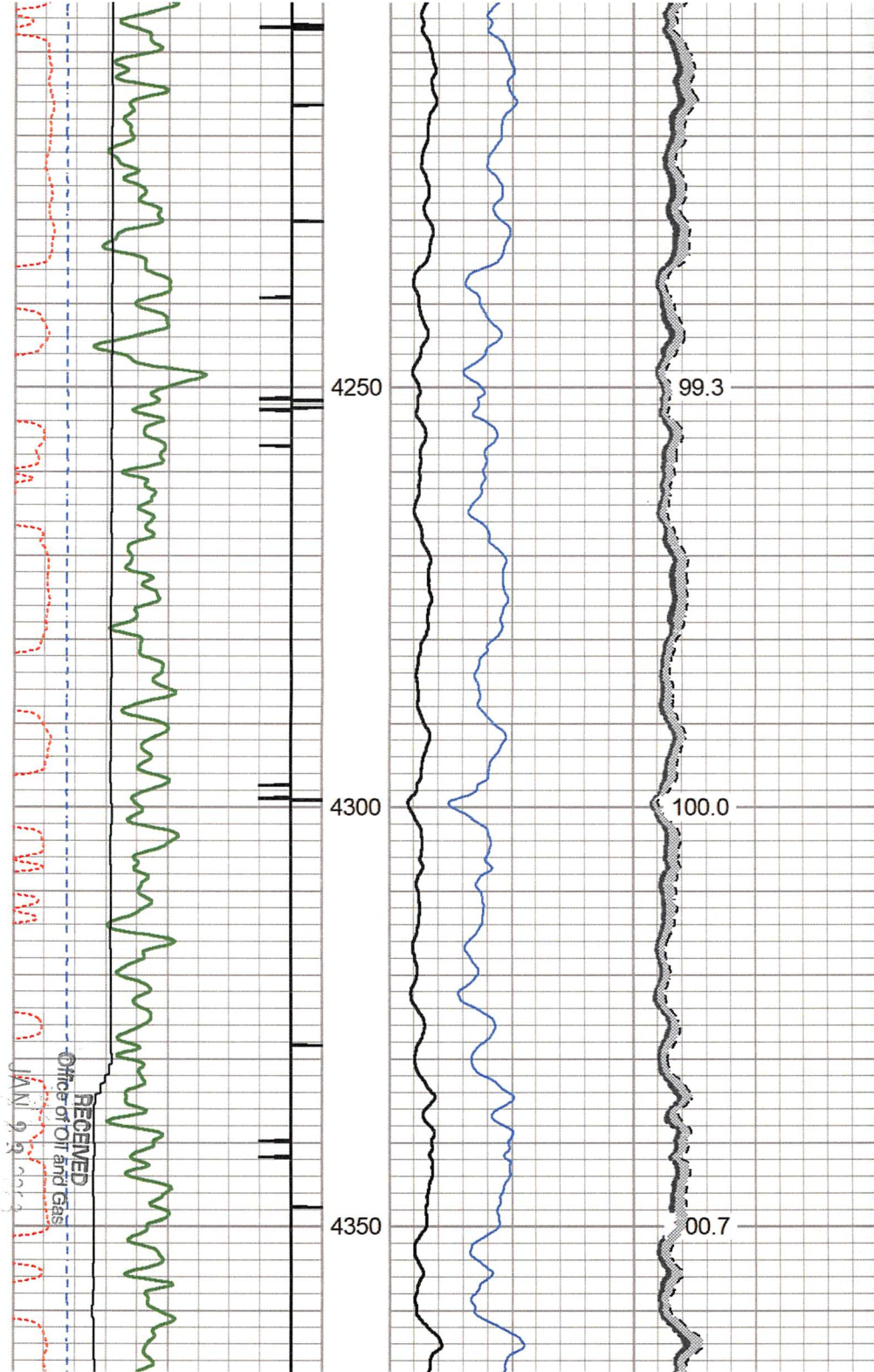
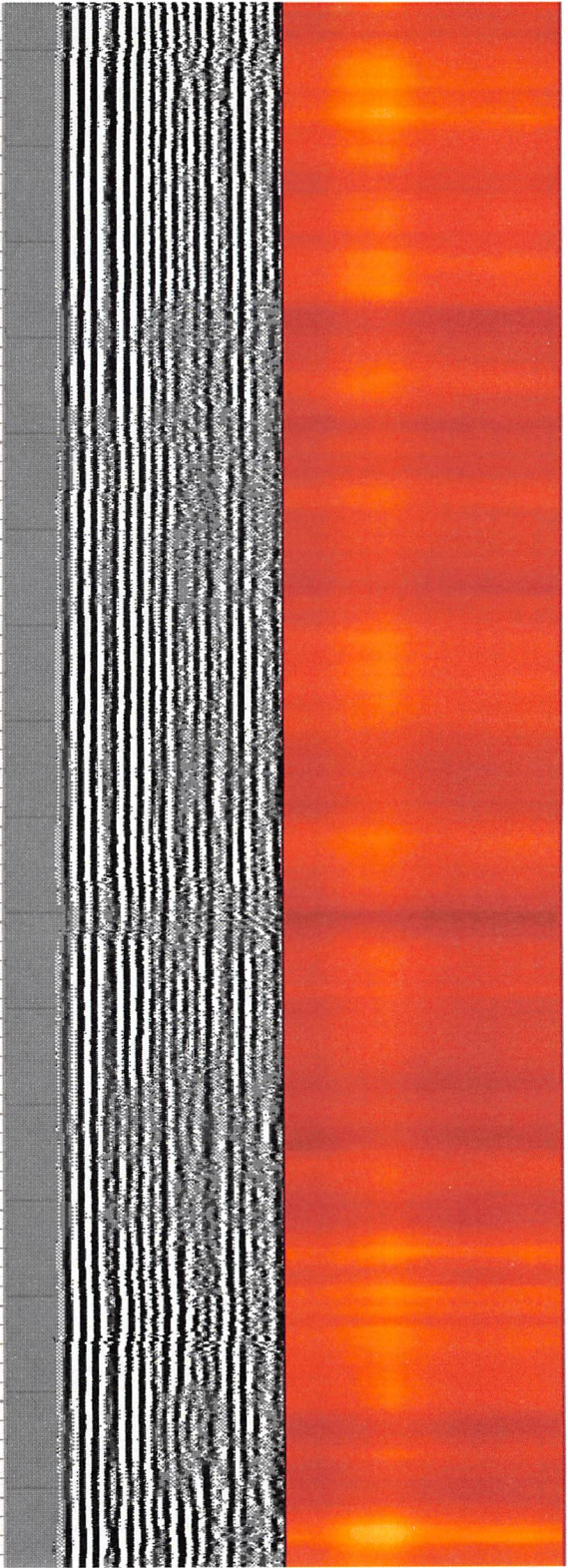
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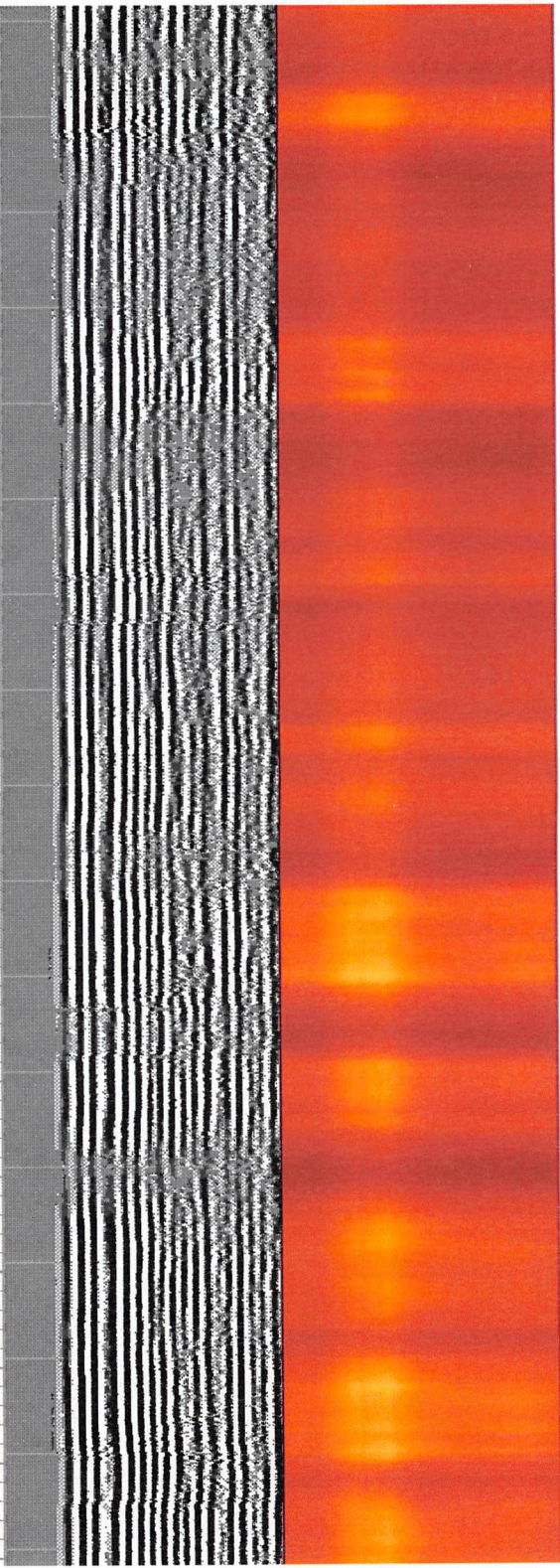
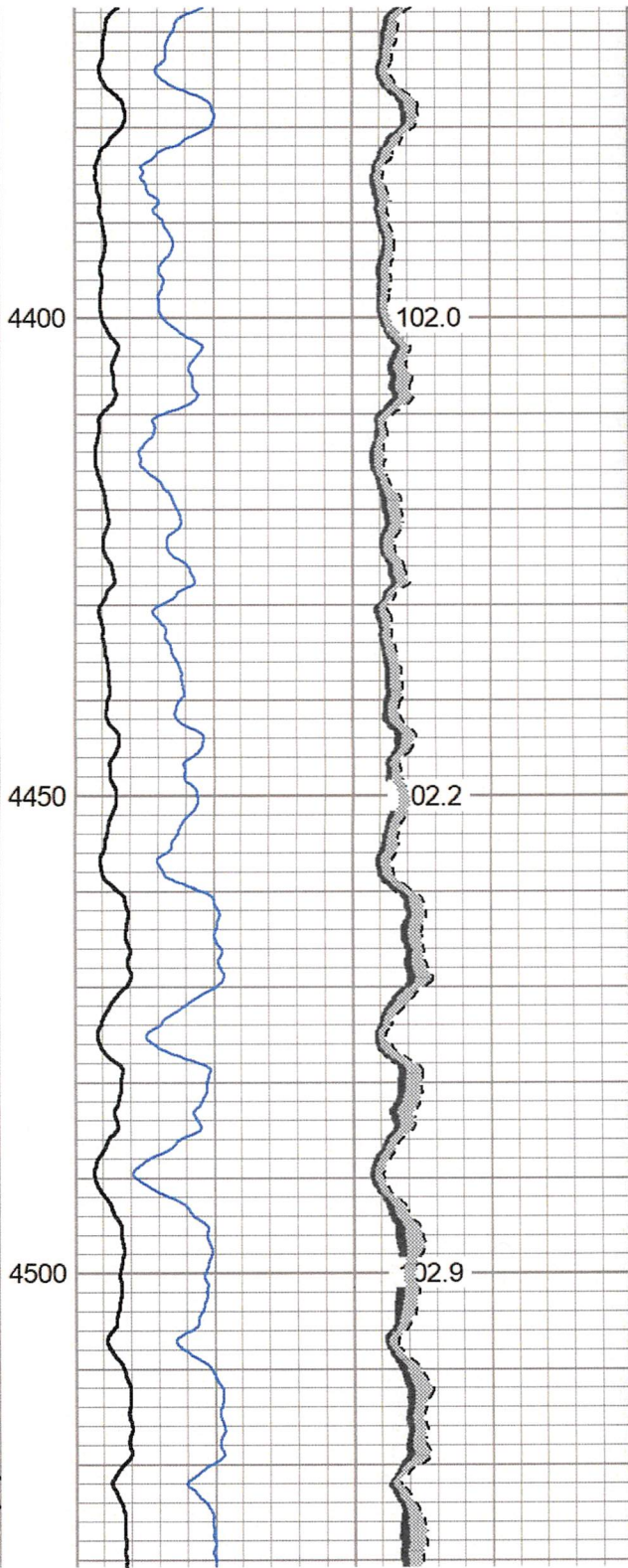
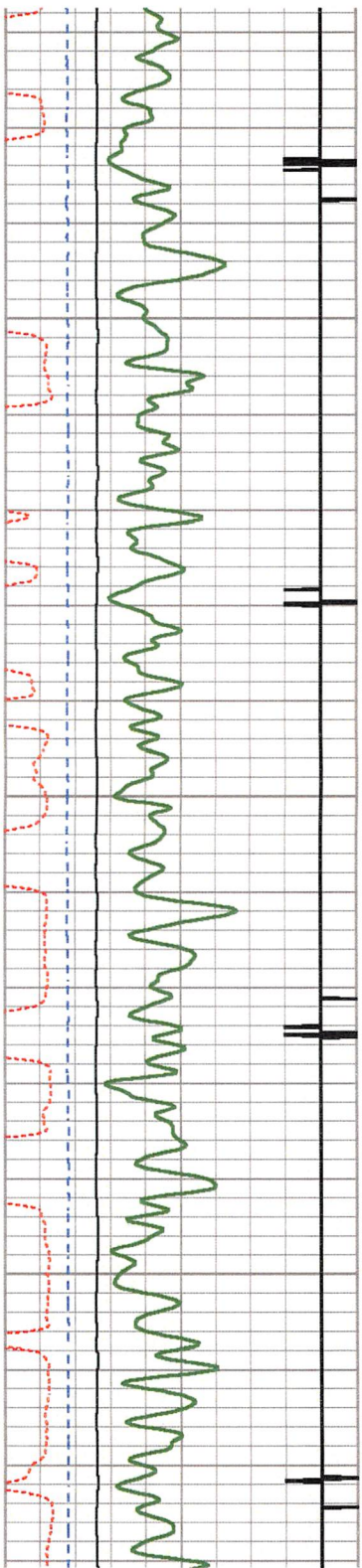


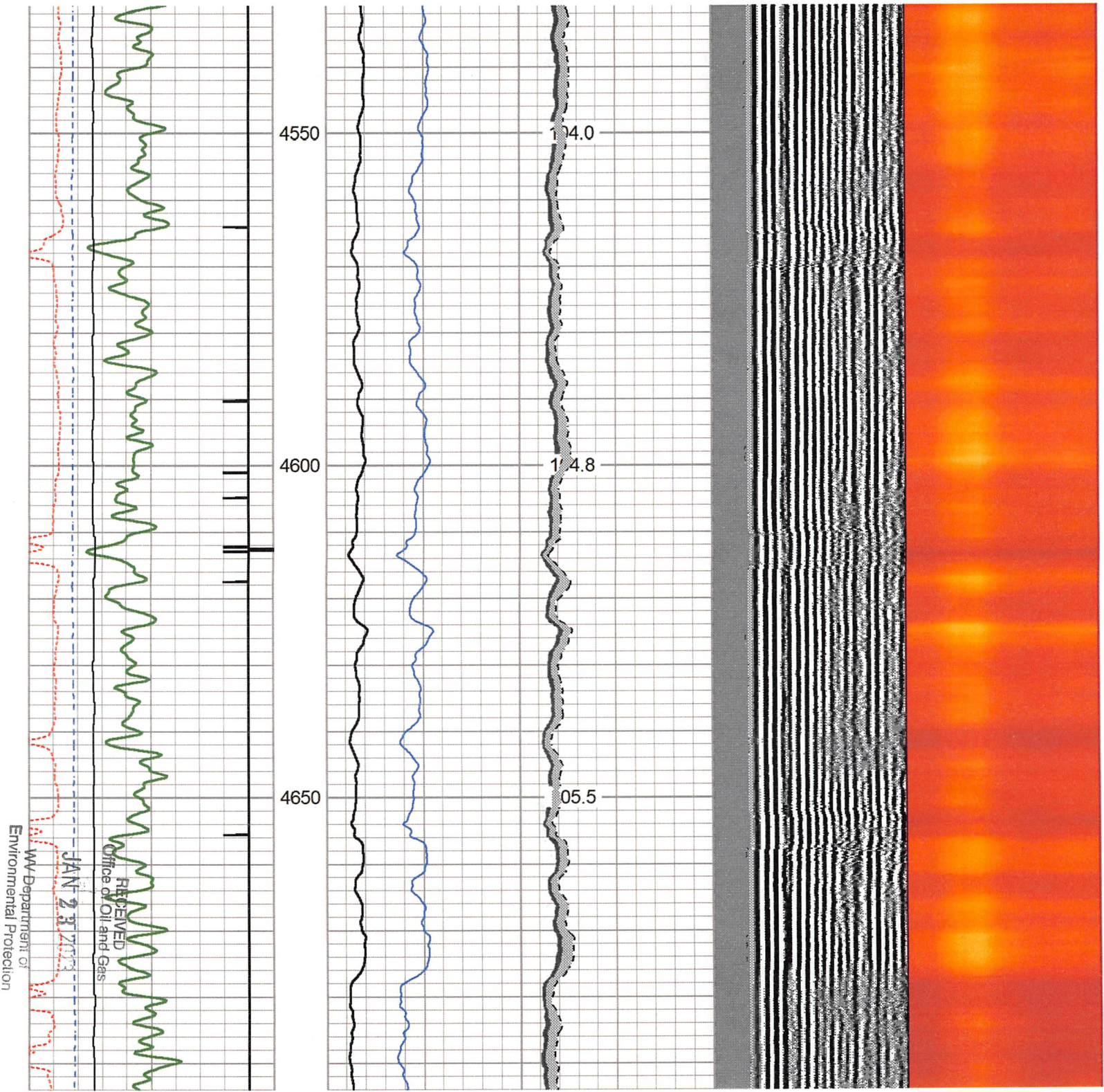
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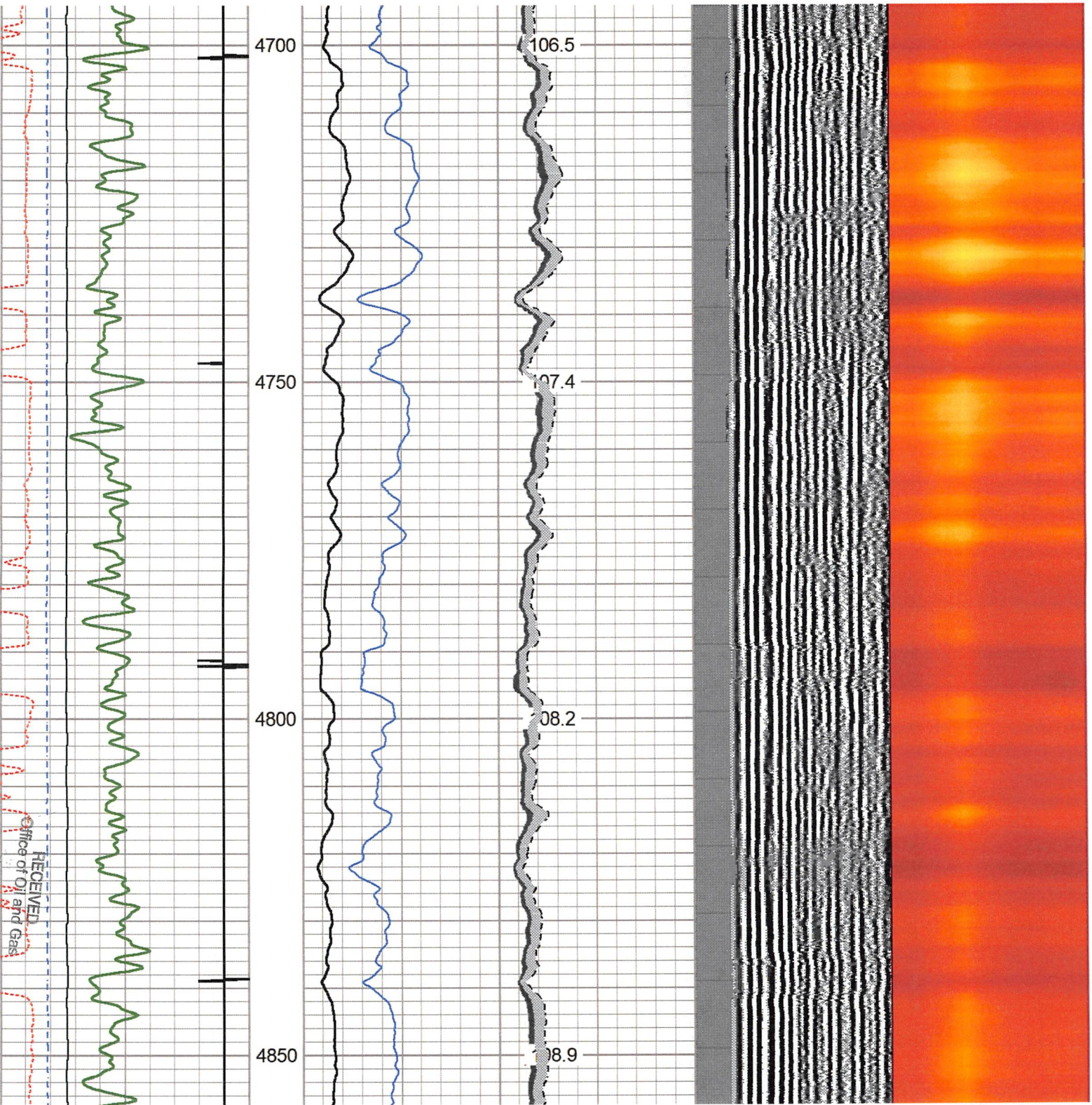




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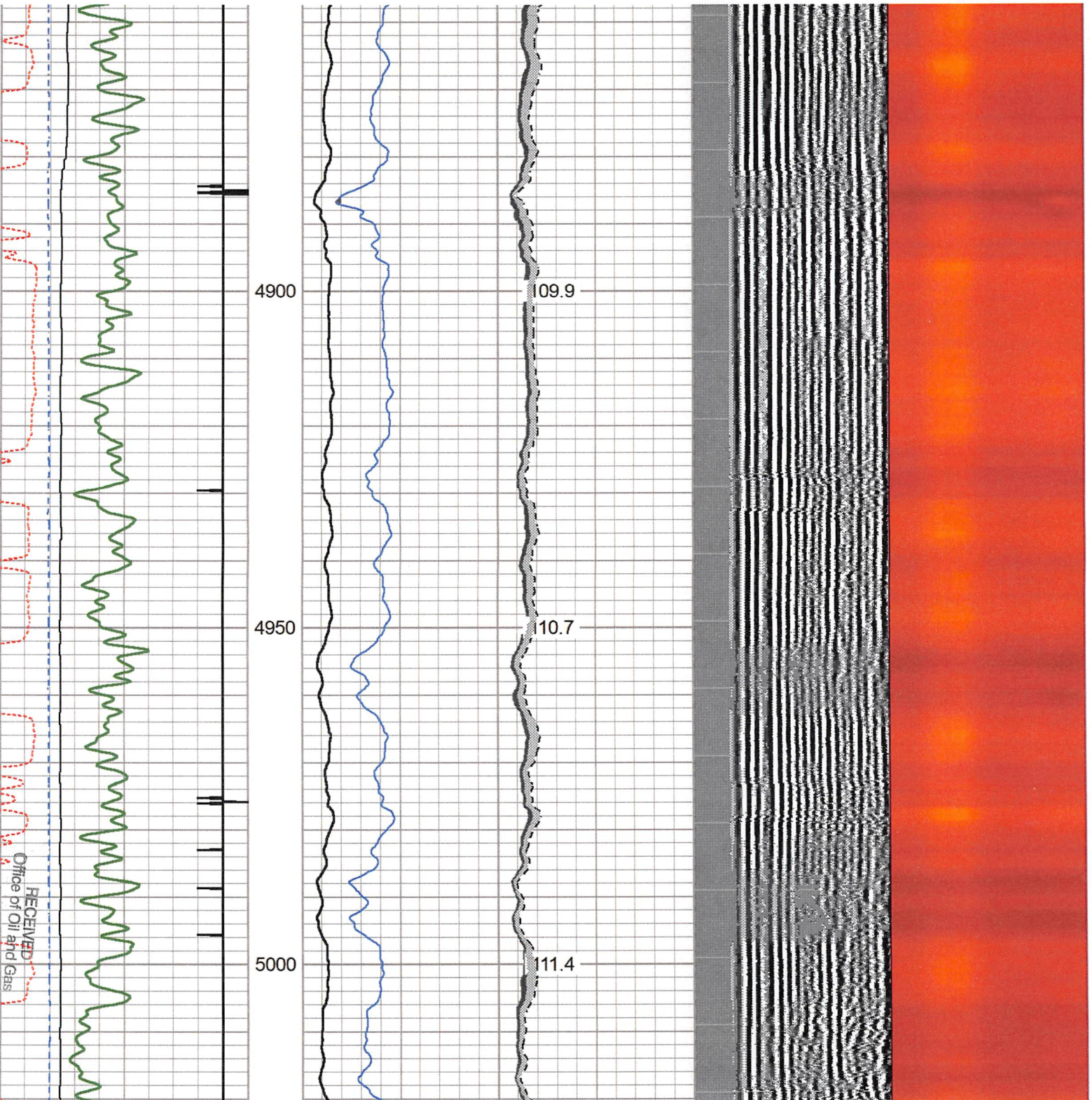




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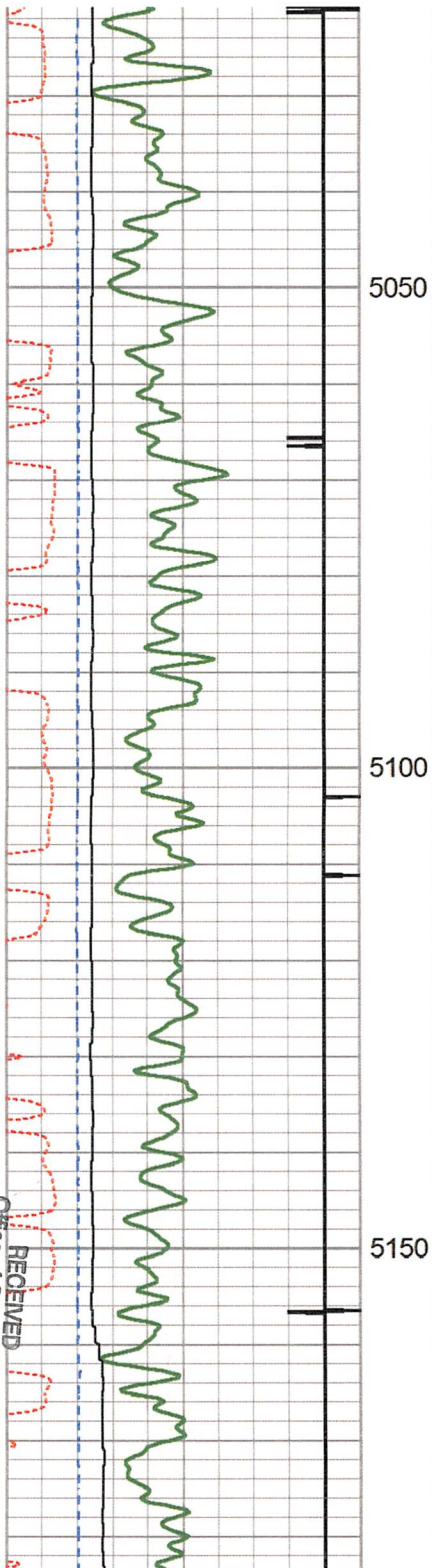
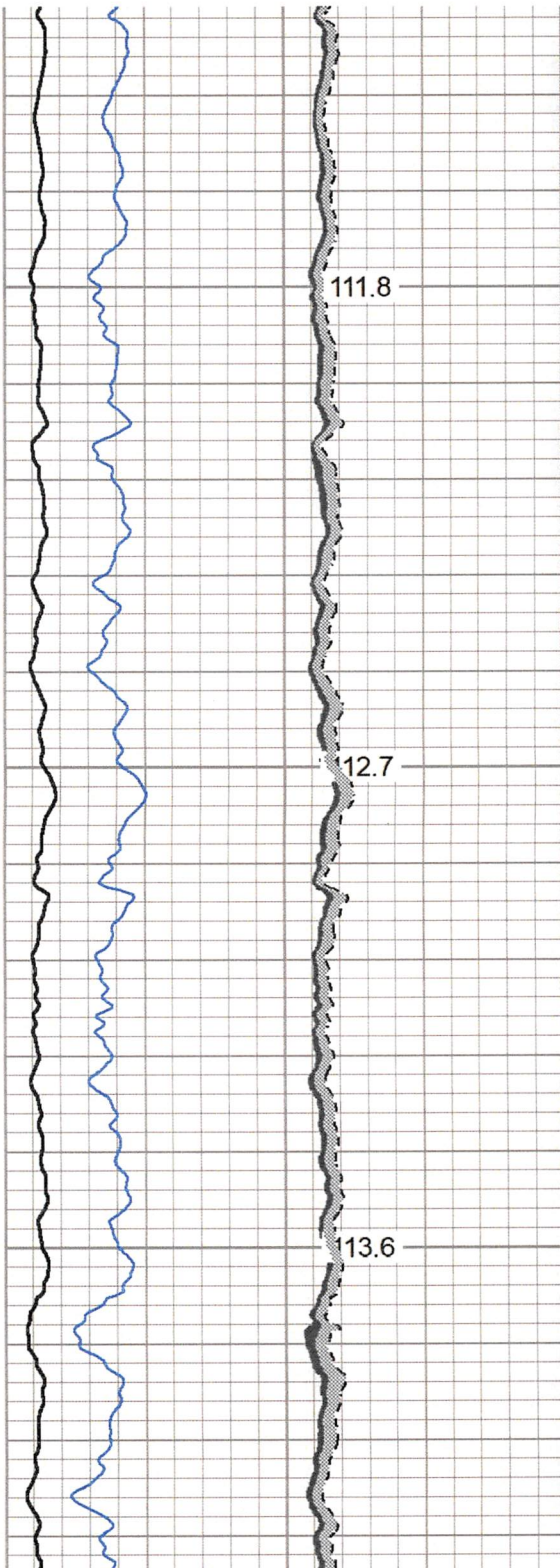
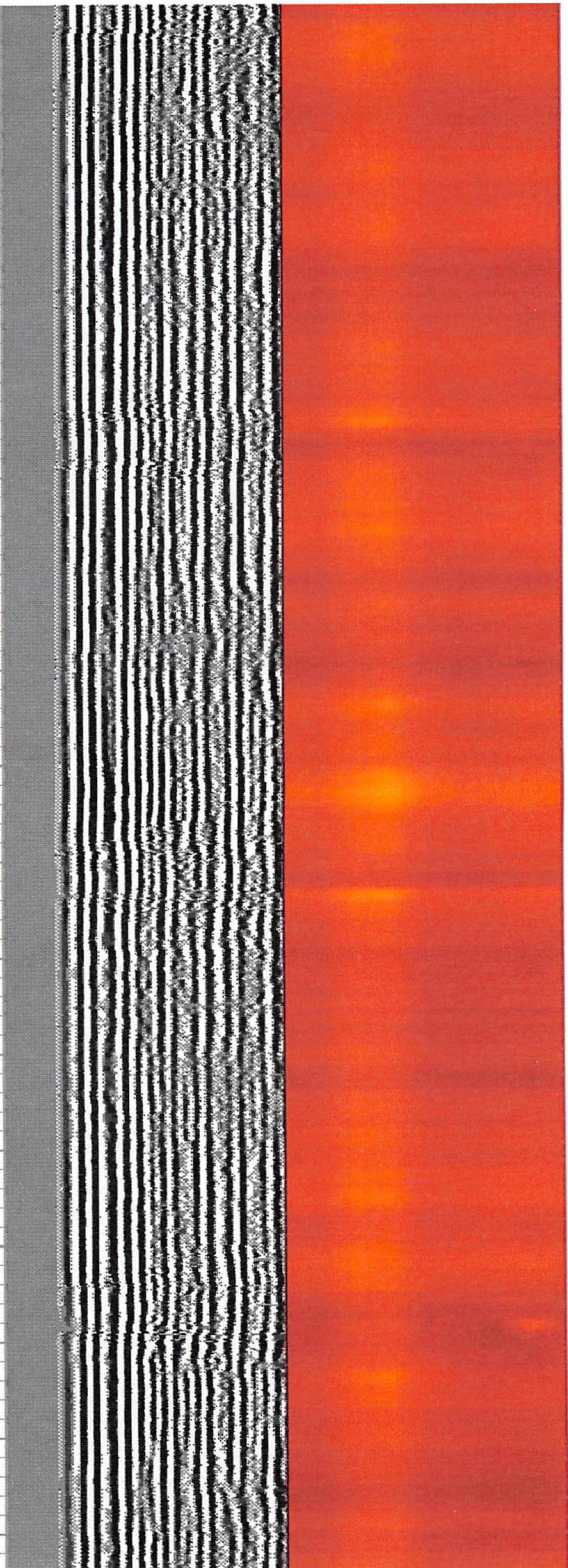




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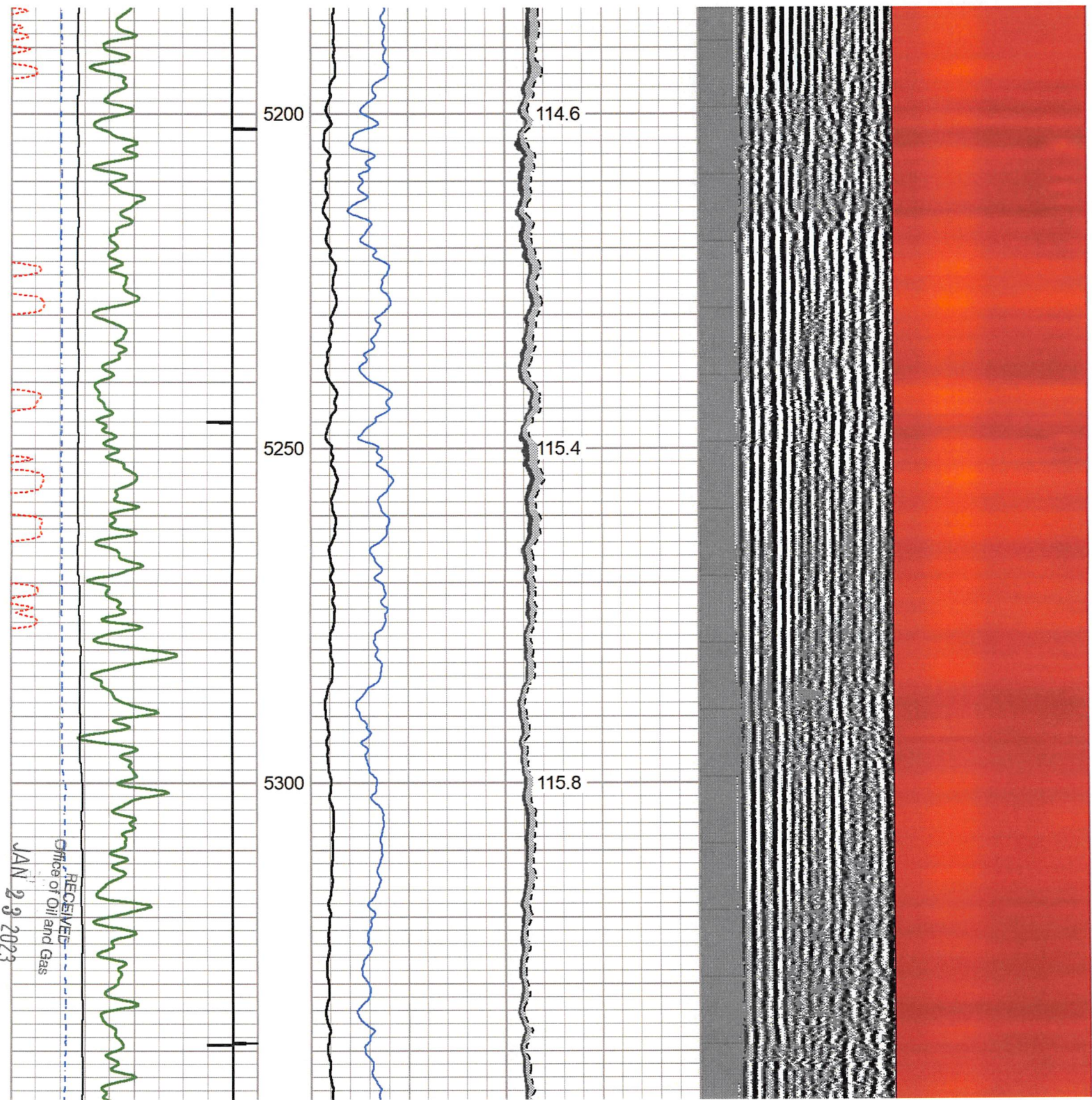
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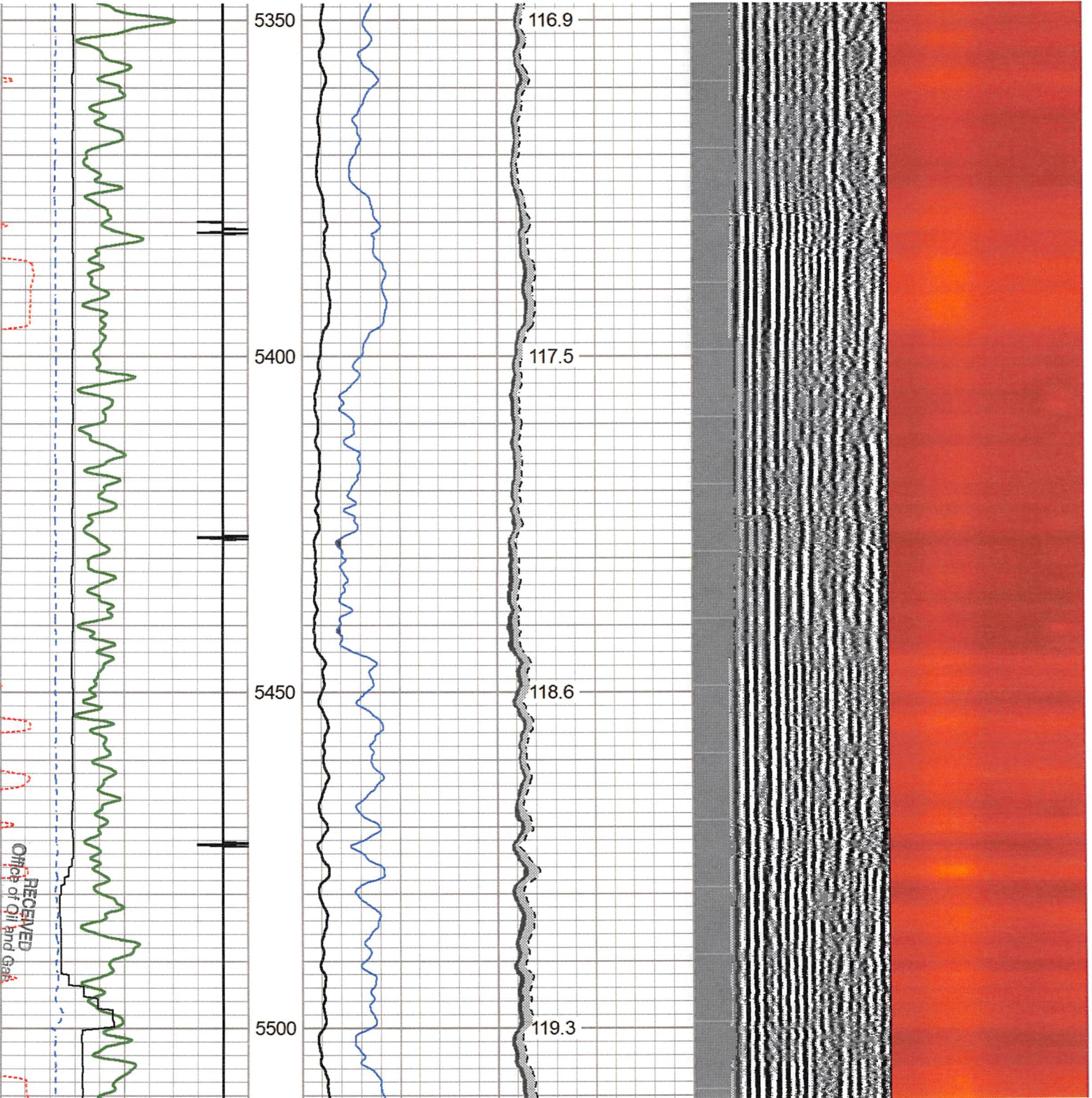
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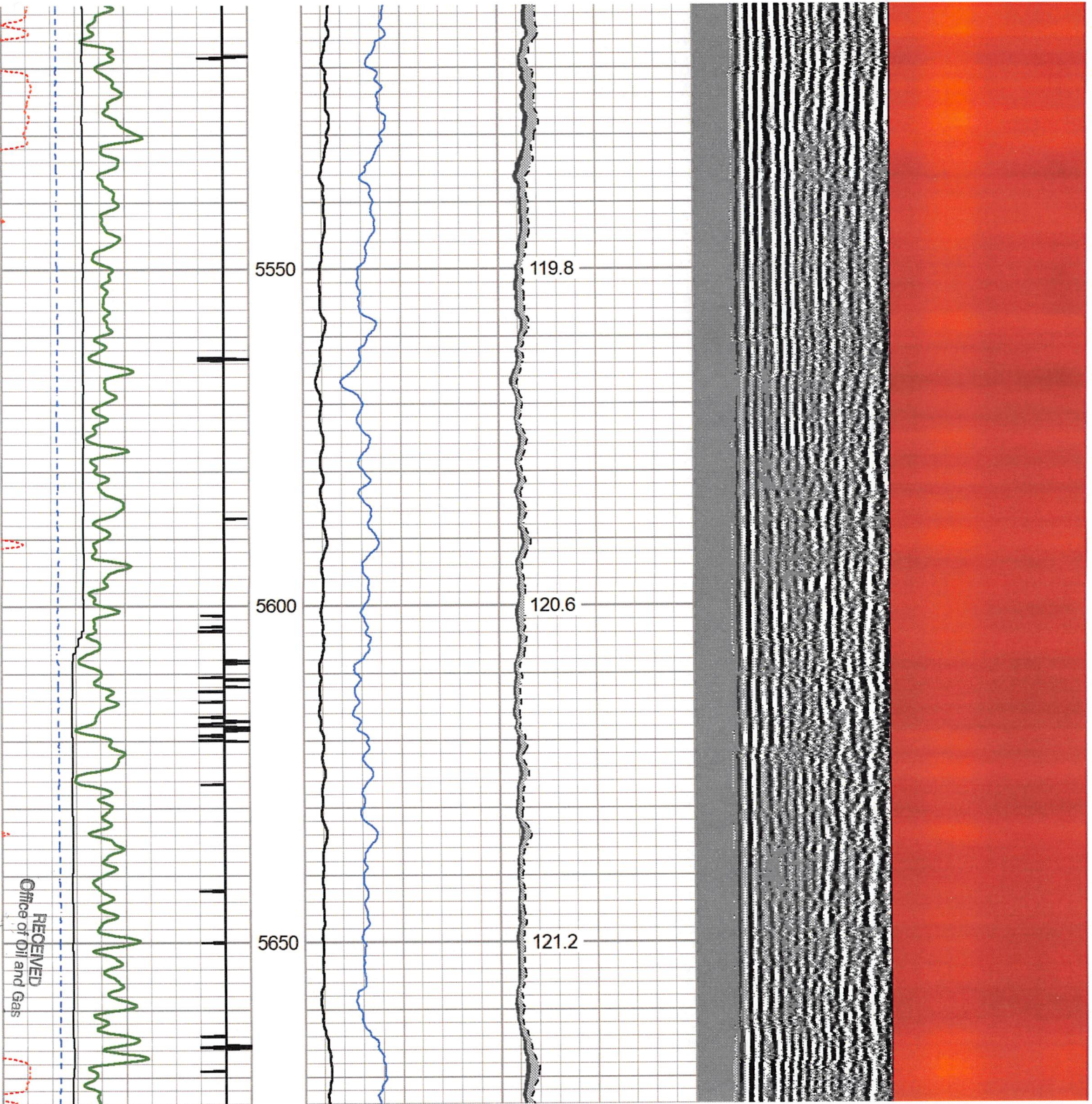
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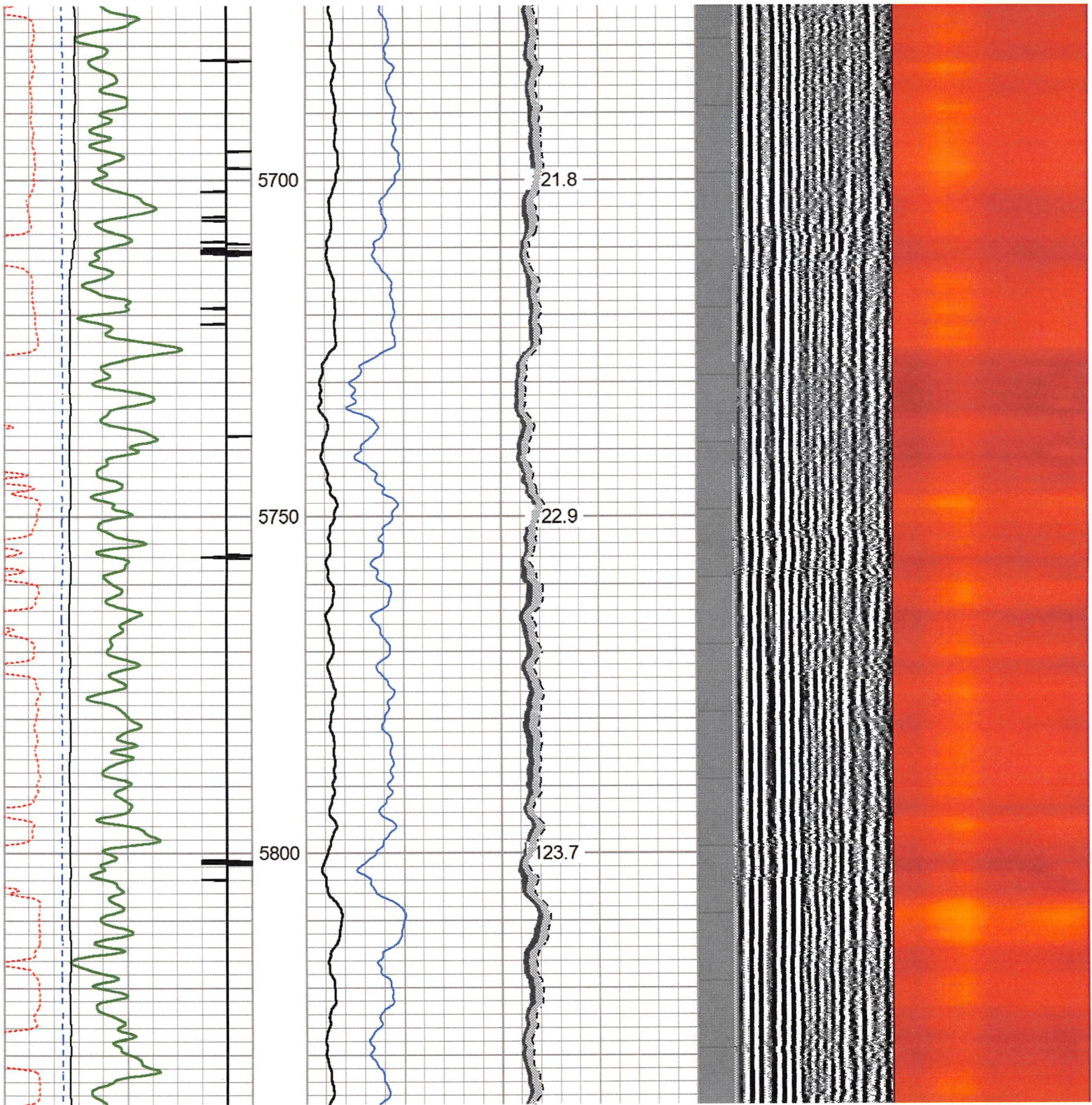
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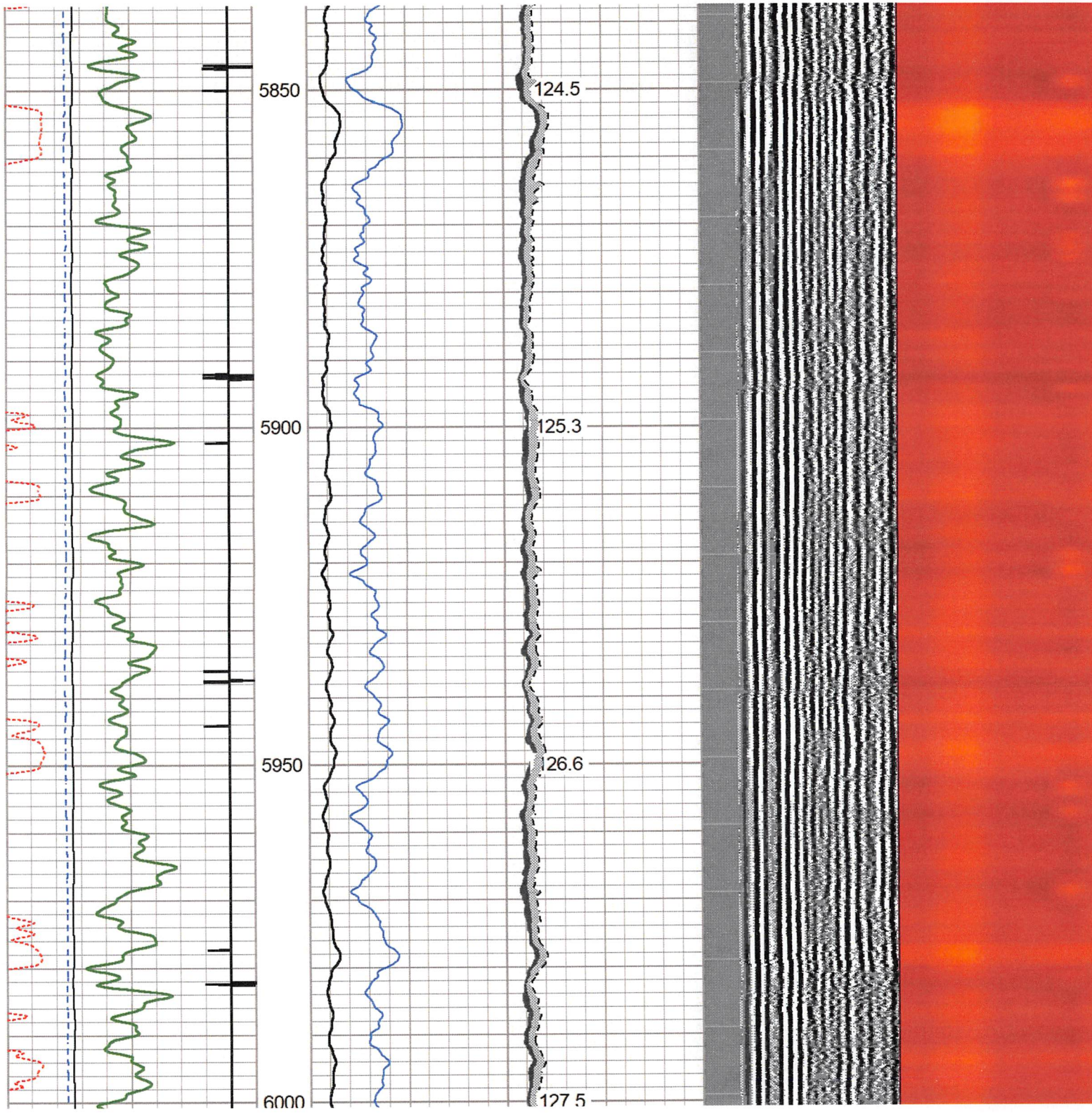


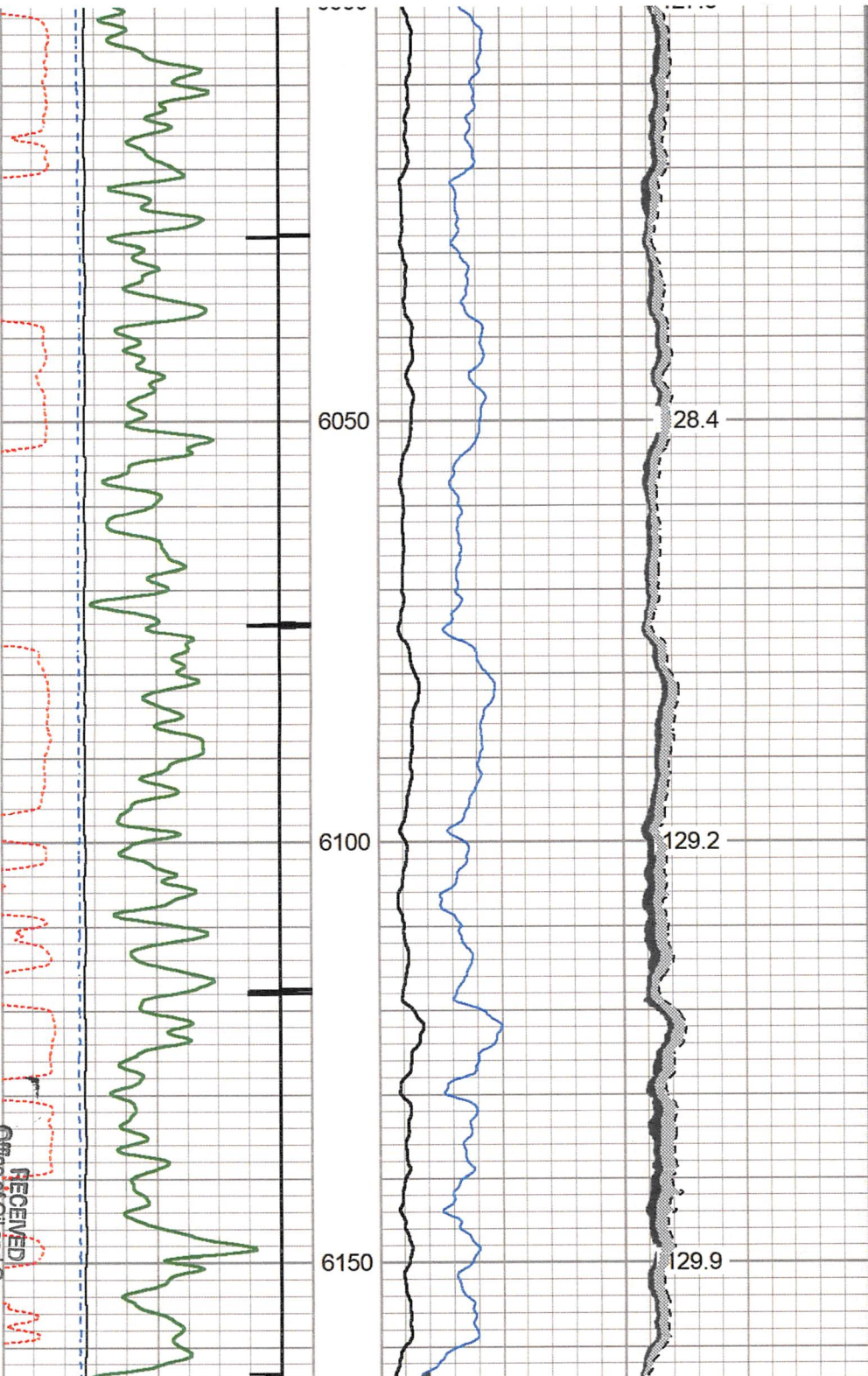
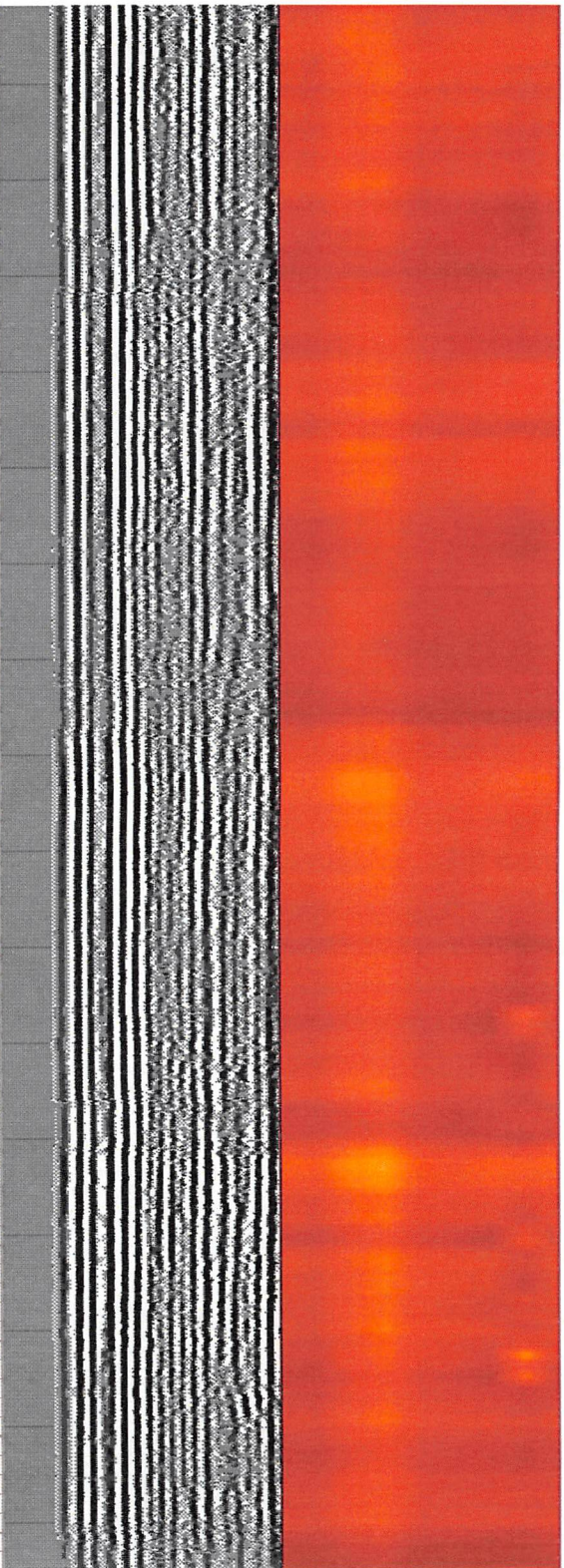
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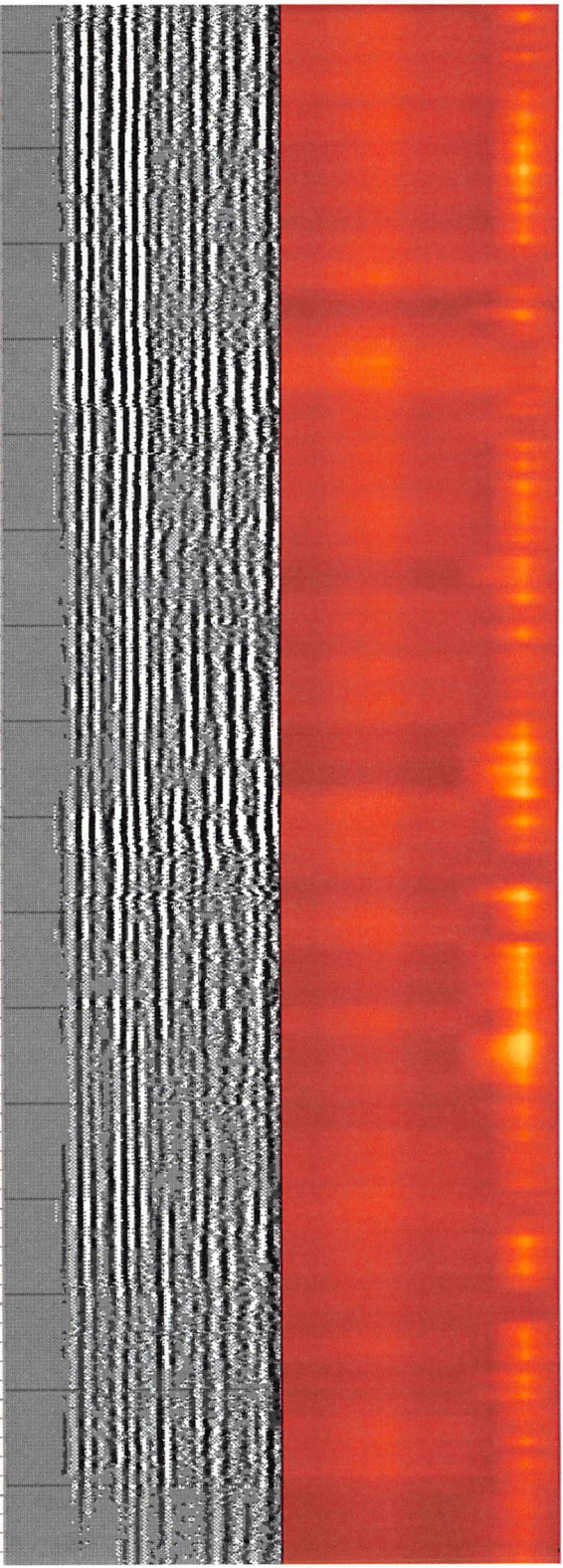
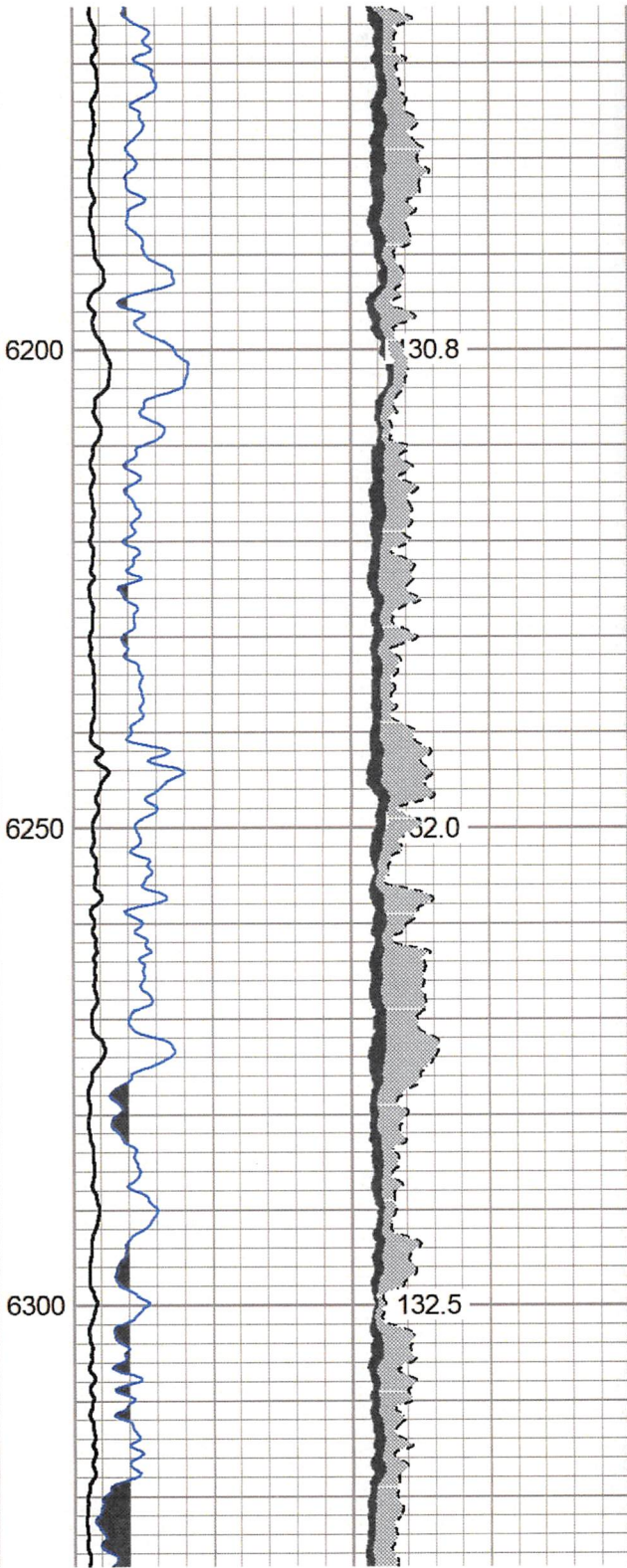
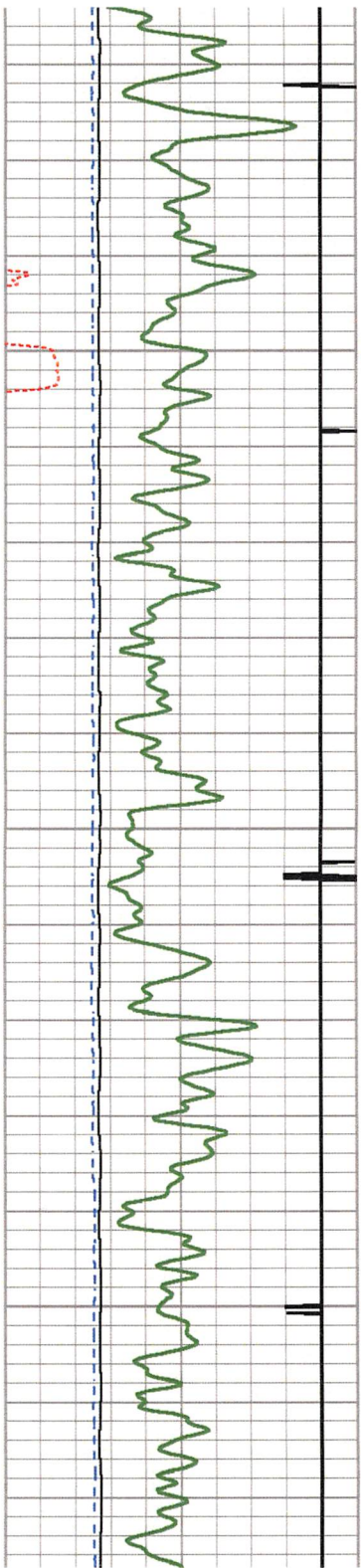


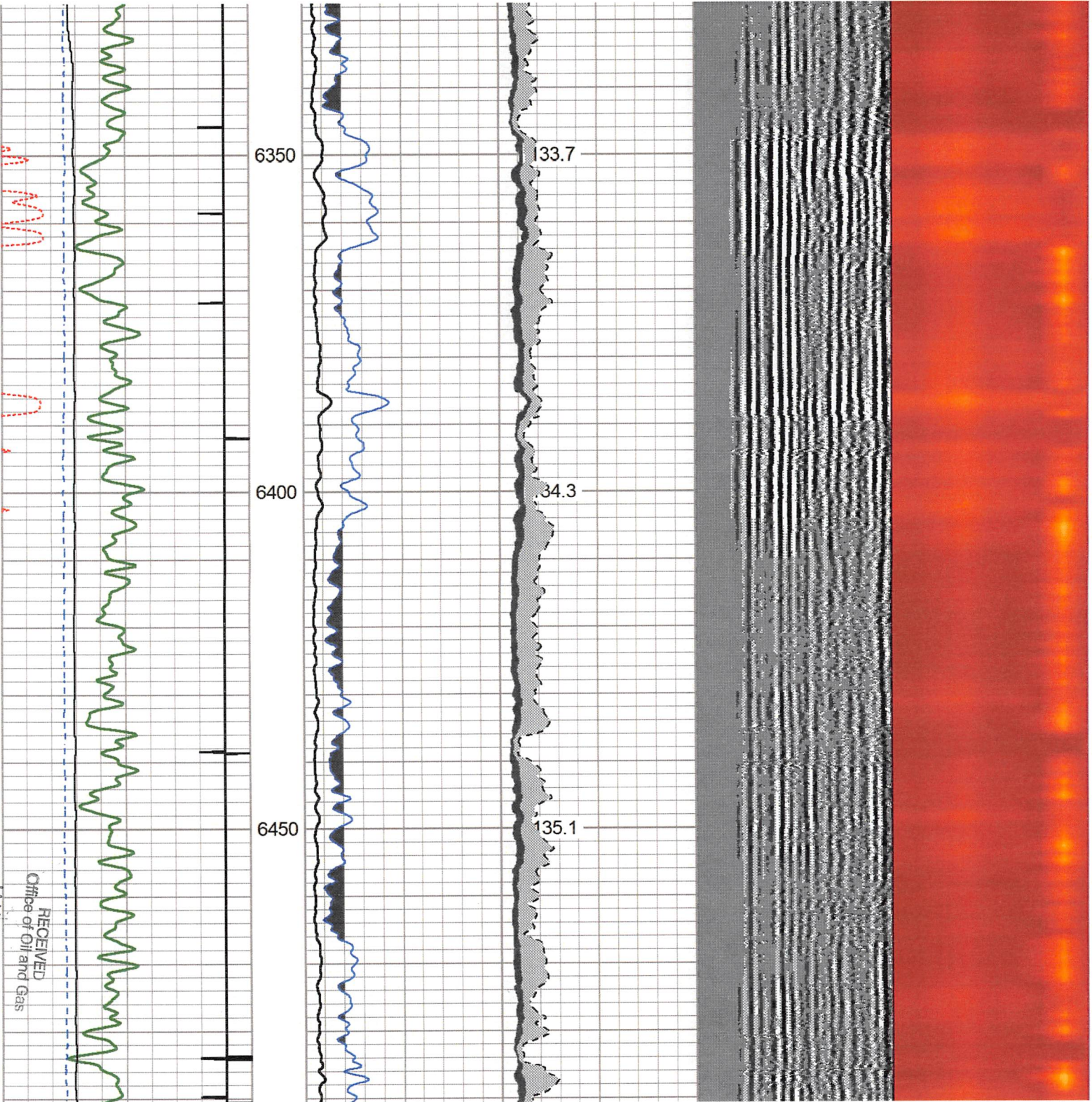
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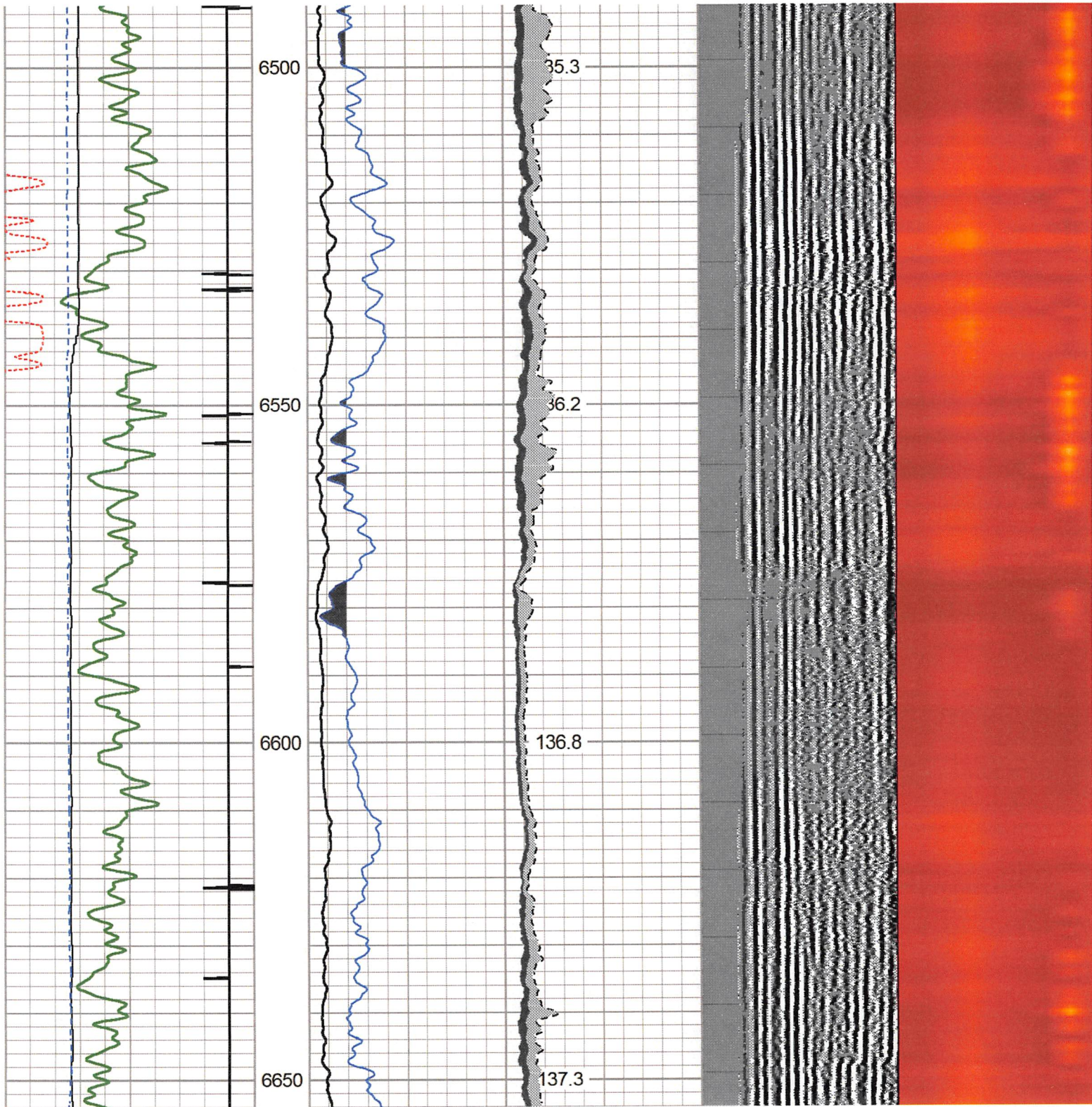
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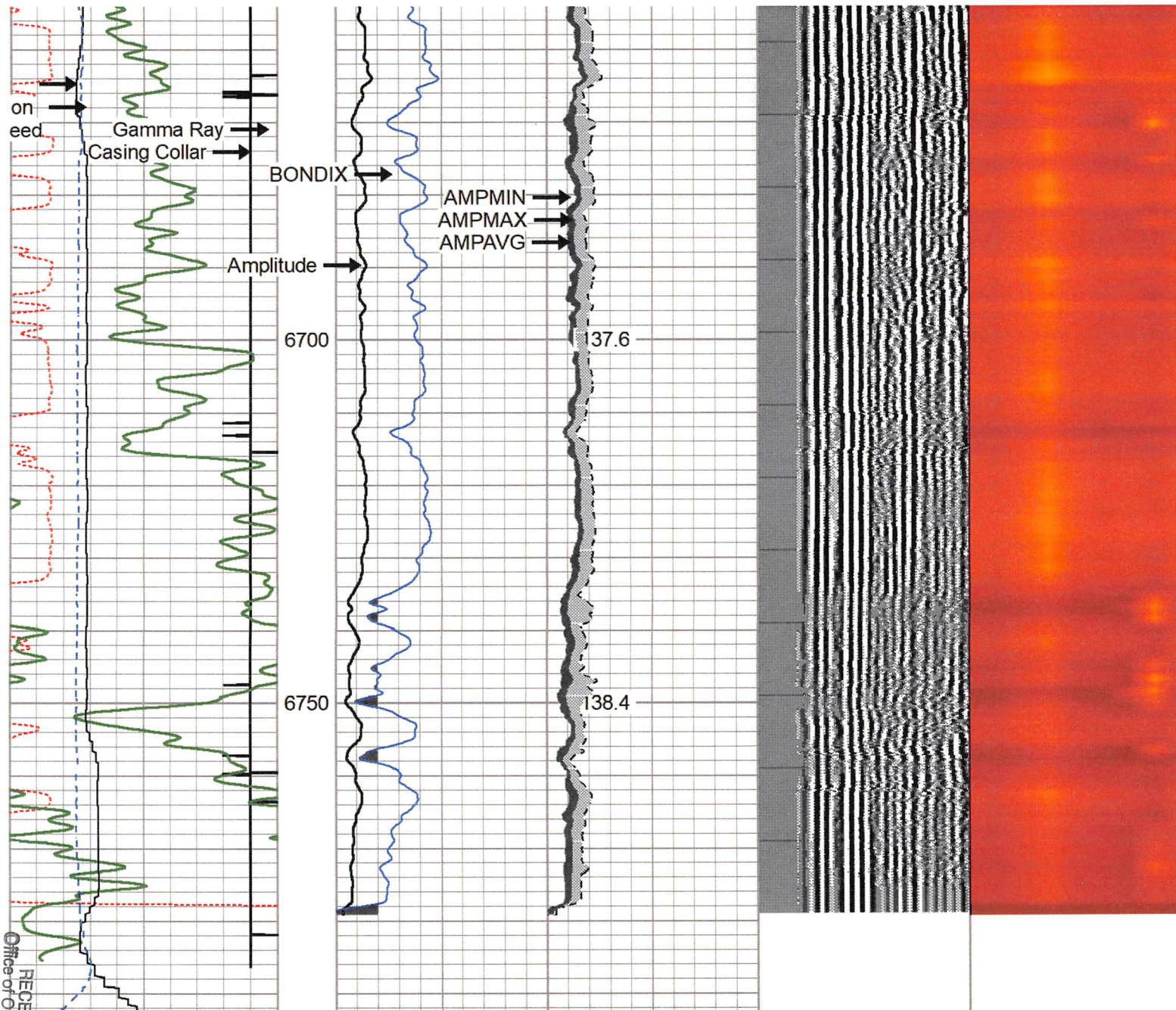






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170	Travel Time (usec)	160	0	Amplitude (mV)	100	-5	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	-5	AMPMAX	150	200 (usec)	1200		
0	Gamma Ray (GAPI)	150				-5	AMPAVG	150				
	Line Speed						TEMP					
-200	(ft/min)	200			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

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0 Line Tension (lb) 5000



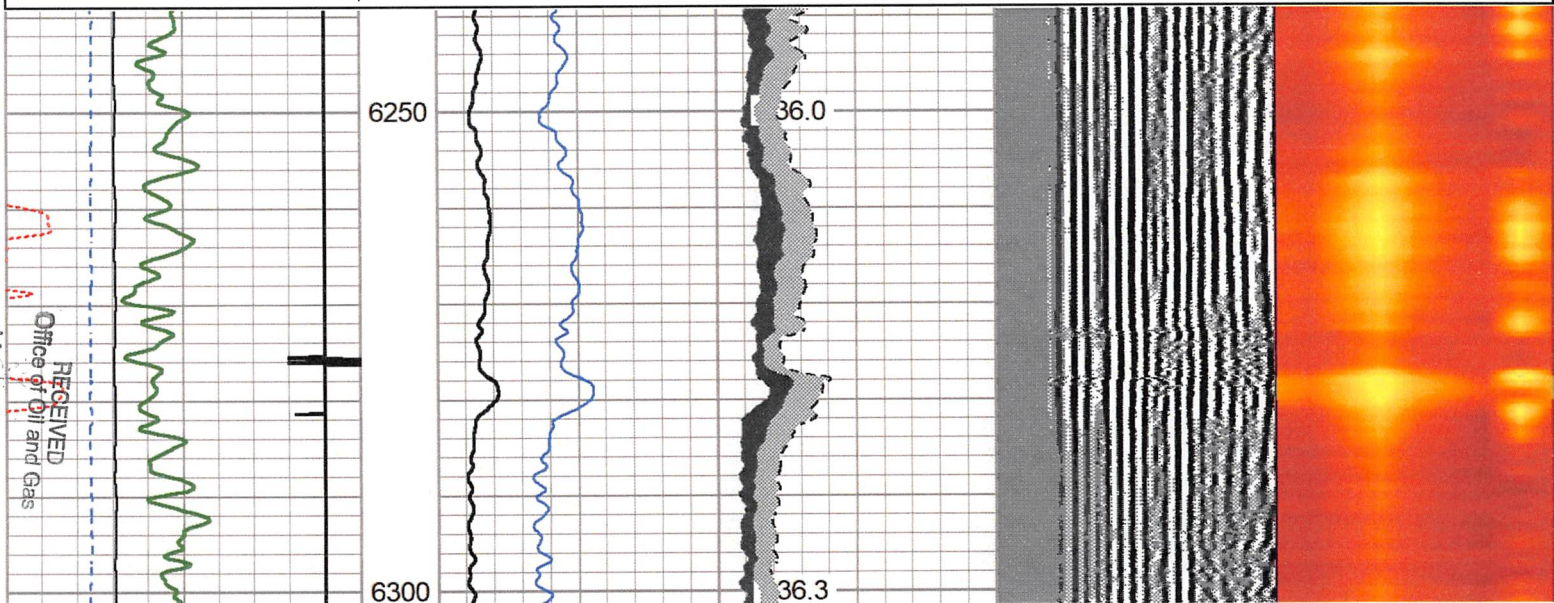
# Main Pass 1500 PSI

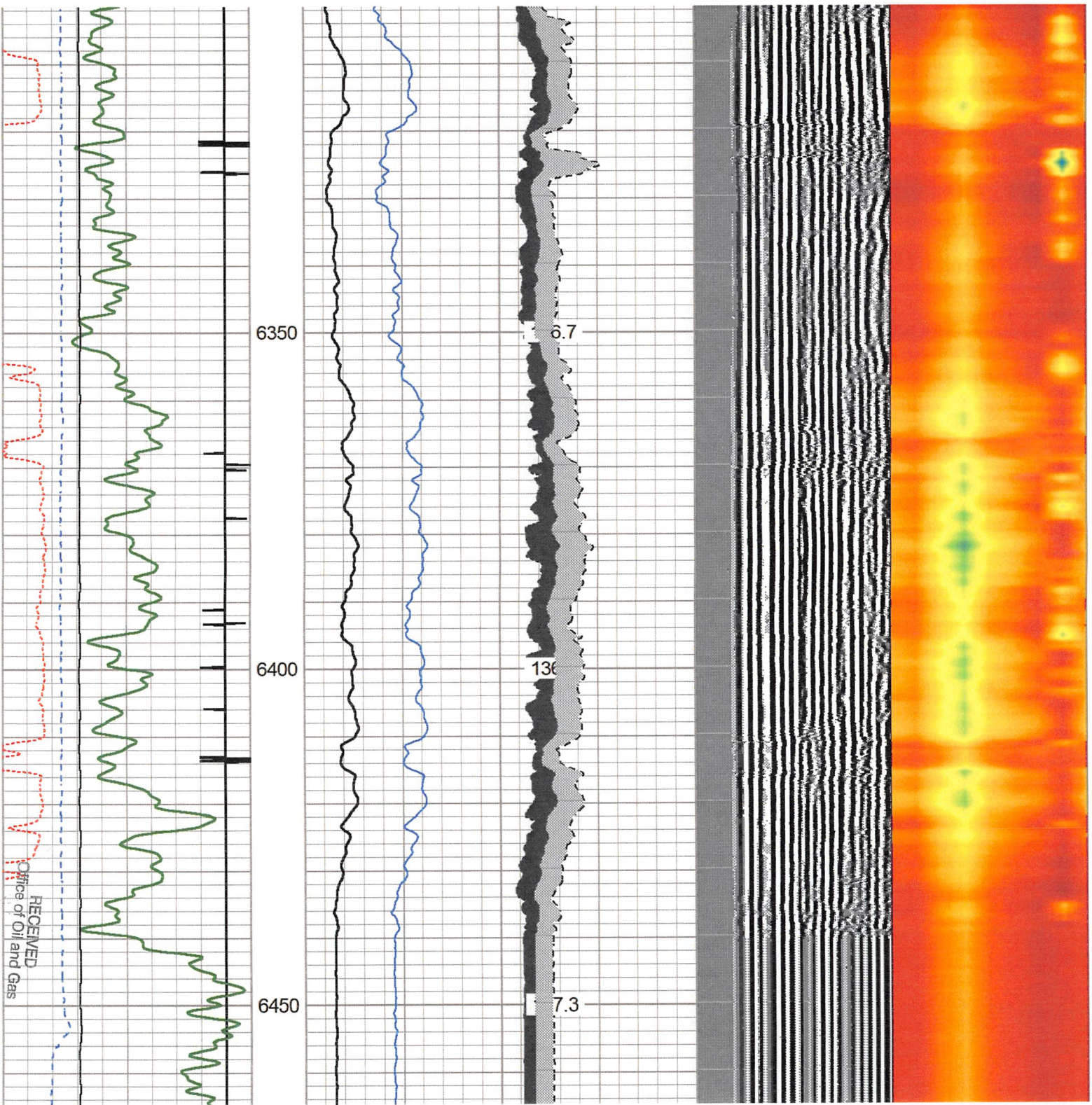


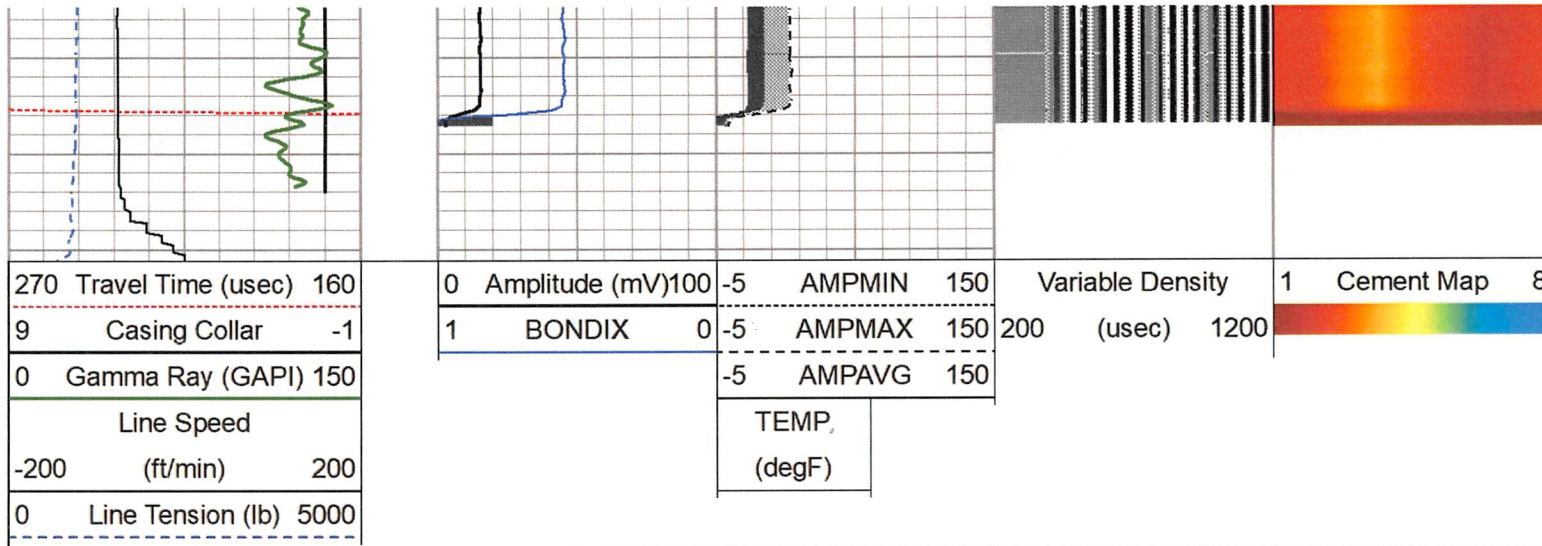
# Repeat Section 0 PSI

Database File e:\june 20 2022 jed 1h antero resources\june 20 2022 jed 1h antero resources.db  
 Dataset Pathname pass4  
 Presentation Format rcbl-bond index for antero 1020  
 Dataset Creation Mon Jun 20 19:11:50 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) 5000				







# Repeat Section 0 PSI

Calibration Report		
Database File	E:\june 20 2022 jed 1h antero resources\june 20 2022 jed 1h antero resources.db	
Dataset Pathname	pass5	
Dataset Creation	Mon Jun 20 19:21:18 2022	
Gamma Ray Calibration Report		
Serial Number:	FW1211-86	
Tool Model:	Probe	
Performed:	Fri May 27 10:01:00 2022	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5000	GAPI/cps
Segmented Cement Bond Log Calibration Report		
Serial Number:	2.75"	
Tool Model:	Probe275T	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	342.250	ft

Master Calibration, performed Mon Jun 20 17:46:17 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	0.660	3.400	71.921	104.803	2.792
CAL	1.389	1.476				
5'	-0.011	0.589	3.400	71.921	114.065	4.684
SUM						
S1	0.064	0.748	0.000	100.000	146.301	-9.430
S2	-0.014	0.682	0.000	100.000	143.692	1.947
S3	-0.009	0.690	0.000	100.000	143.019	1.278
S4	-0.012	0.653	0.000	100.000	150.340	1.876
S5	-0.012	0.630	0.000	100.000	155.857	1.872
S6	-0.012	0.642	0.000	100.000	152.813	1.901
S7	-0.012	0.645	0.000	100.000	152.126	1.831
S8	-0.011	0.673	0.000	100.000	146.202	1.633

Internal Reference Calibration, performed Wed Nov 23 14:17:52 2011:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.389	1.476	1.000	0.000

Air Zero Calibration, performed Mon Jun 20 17:23:07 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

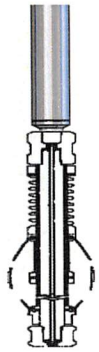


Depth	Depth (ft)	Component	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-Titan Standard 1 7/16" Cable Head	1.02	1.44	1.00
			Centralizers-5419-312-S600 Titan 3 1/8" Adjustable Centralizer	3.42	3.13	34.00
HeadVolt	20.39					
Temp	17.54					
			RBT-Probe275T (2.75") Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	90.00
WVFS8	15.31					
WVFS7	15.31					
WVFS6	15.31					
WVFS5	15.31					
WVFS4	15.31					
WVFS3	15.31					
WVFS2	15.31					
WVFS1	15.31					
WVF3FT	15.31					
WVF5FT	14.31					
WVFCAL	11.06					
HEADVOLT	11.06					
			Centralizers-5419-312-S600 Titan 3 1/8" Adjustable Centralizer	3.42	3.13	34.00
CCL	6.73					
GR	5.40		GR-Probe (FW1211-86) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00



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			<p>CENT-Titn275Adj Titan 2 3/4" Adjustable Centralizer</p>	2.86	2.75	35.00
<p>Dataset: june 20 2022 jed 1h antero resources.db: field/well/run1/pass5  Total length: 24.89 ft  Total weight: 251.00 lb  O.D.: 3.13 in</p>						

	Company	Antero Resources
	Well	Jed 1H
	Field	
	County	Tyler
	State	WV
		Country