

			CENT-Titm275Adj Titan 2 3/4" Adjustable Centralizer	2.86	2.75	35.00
HeadVolt	19.83					
Temp	16.98					
			RBT-Probe275T (FW1312-32) Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	90.00
WVFS8	14.75					
WVFS7	14.75					
WVFS6	14.75					
WVFS5	14.75					
WVFS4	14.75					
WVFS3	14.75					
WVFS2	14.75					
WVFS1	14.75					
WVF3FT	14.75					
WVF5FT	13.75					
WVFCAL	10.50					
HEADVOLT	10.50					
			CENT-Titm275Adj Titan 2 3/4" Adjustable Centralizer	2.86	2.75	35.00
CCL	6.73					
GR	5.40		GR-Probe (FW1211-86) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00
			CENT-Titm275Adj Titan 2 3/4" Adjustable Centralizer	2.86	2.75	35.00

Dataset: antero_tapeats_2h_may_9_2021_rcbl.db: field/well/rcbl/main
 Total length: 23.77 ft
 Total weight: 253.00 lb
 O.D.: 2.75 in

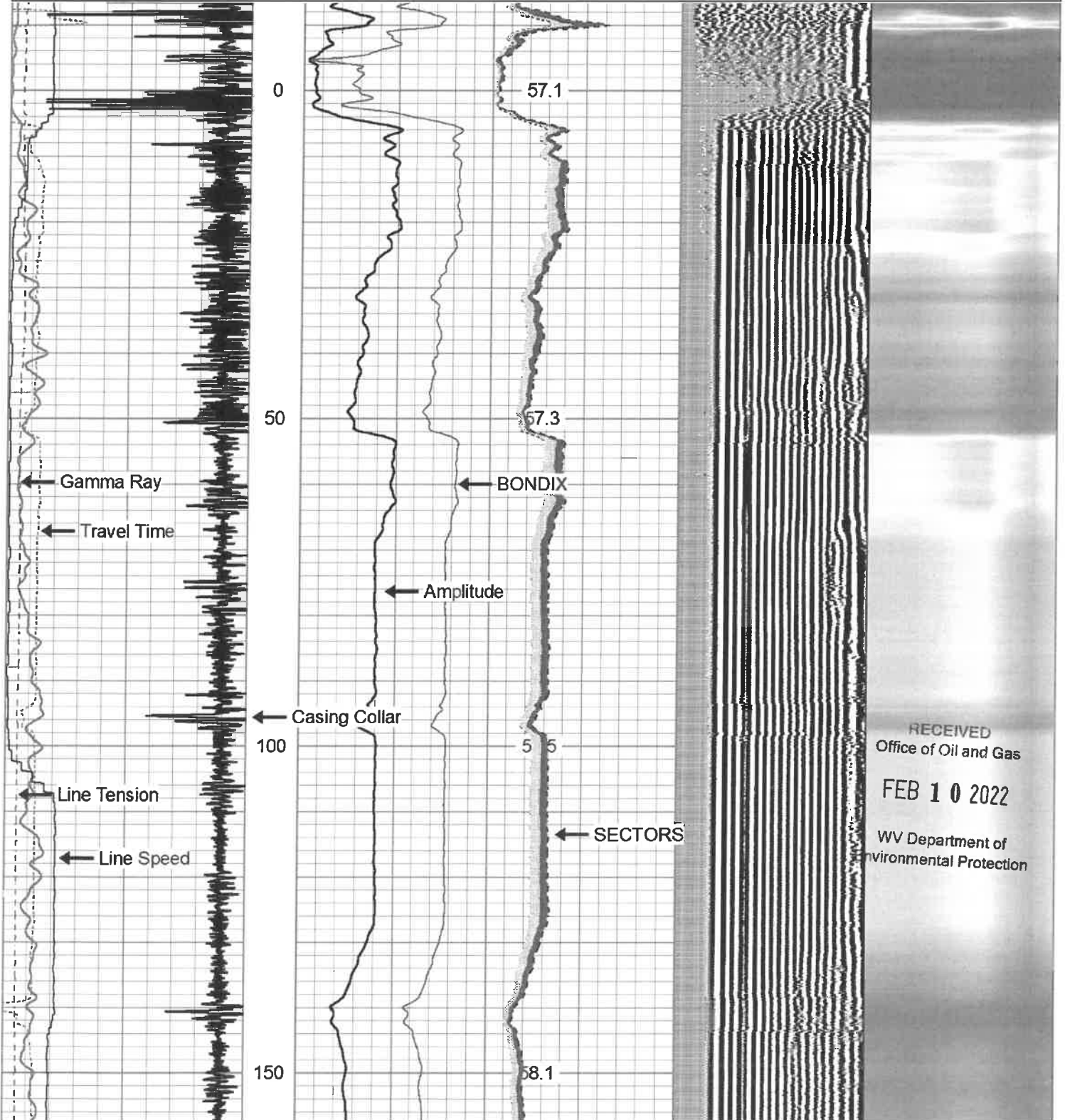


MAIN LOG

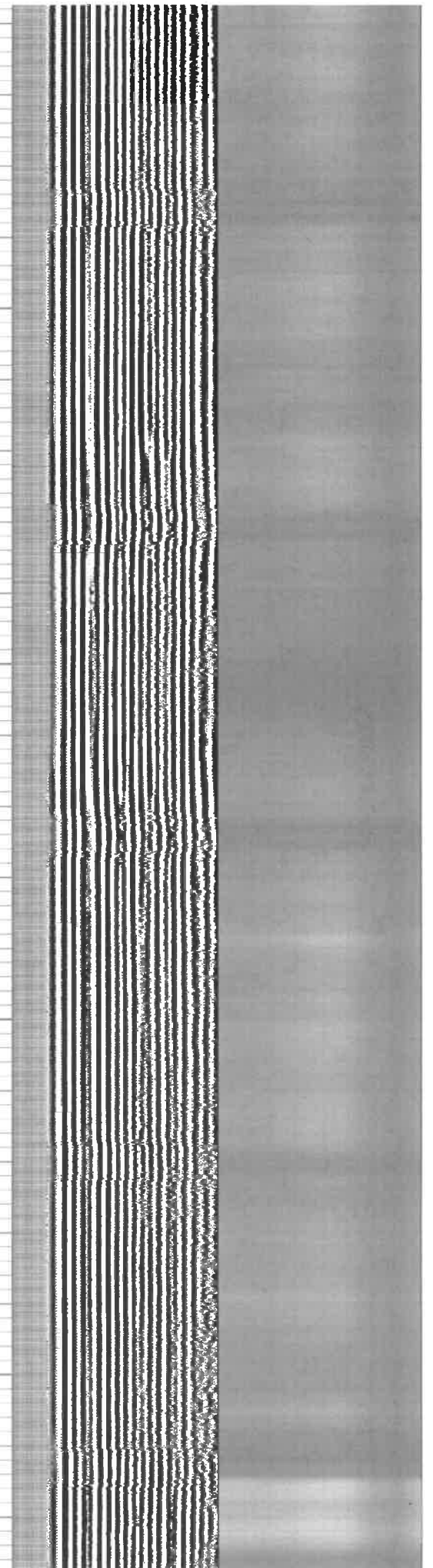
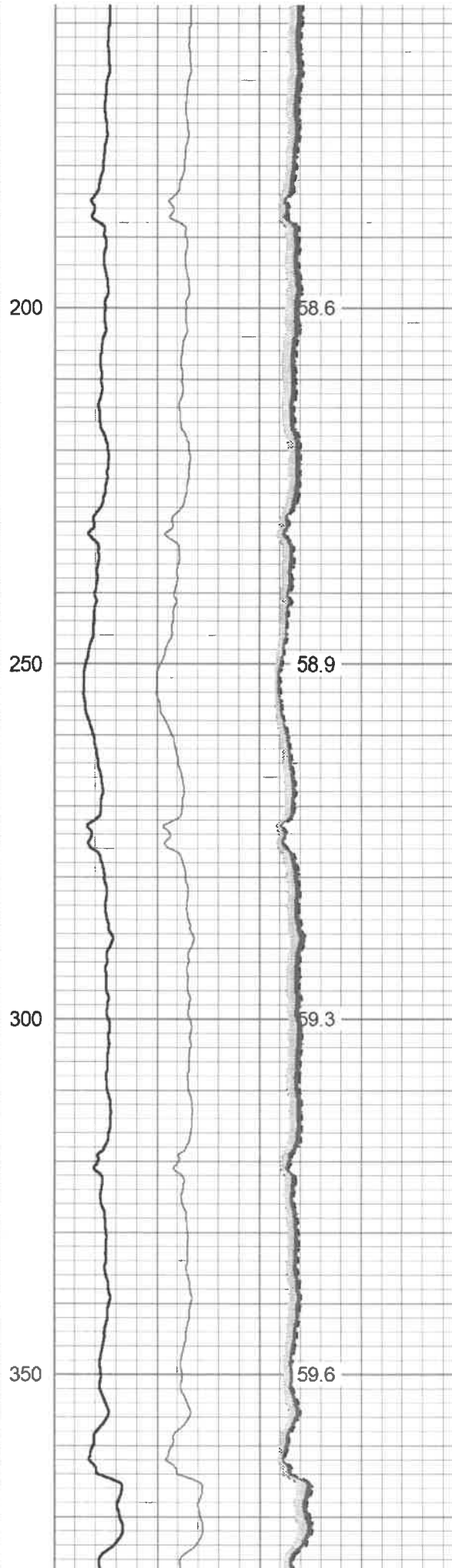
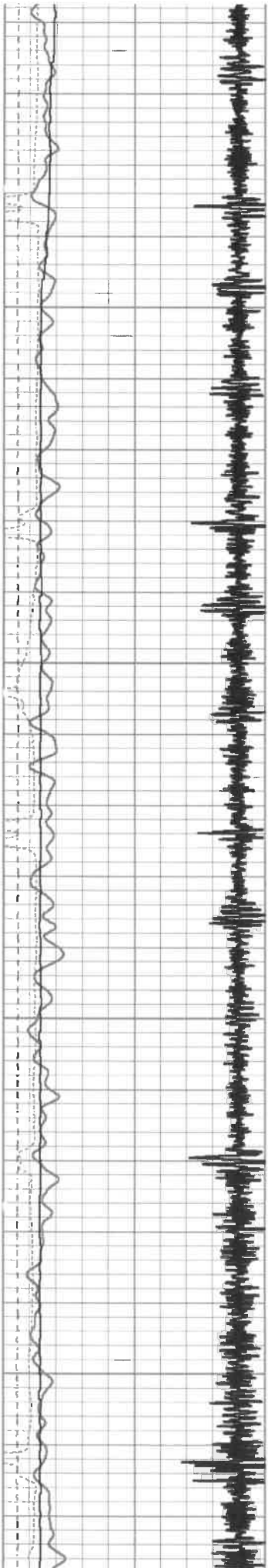
APPLIED 1500 PSI

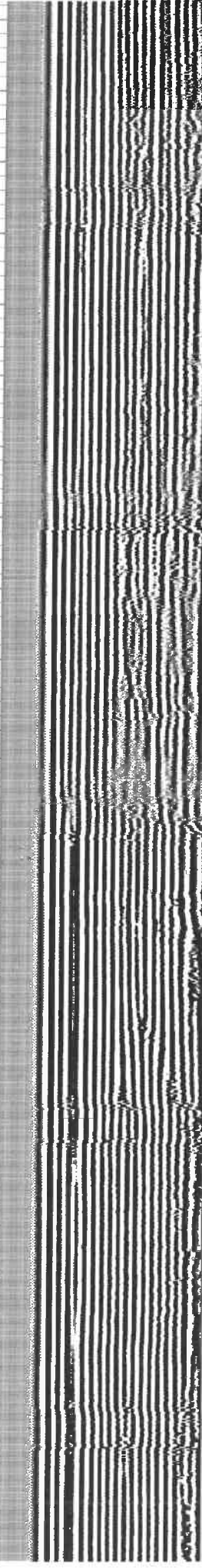
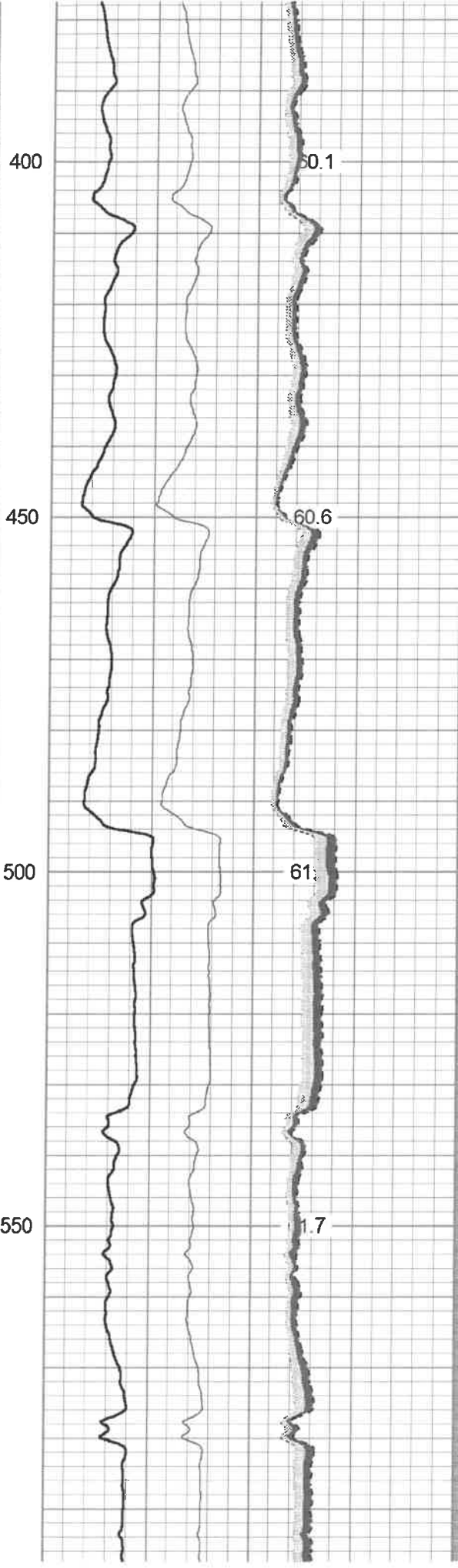
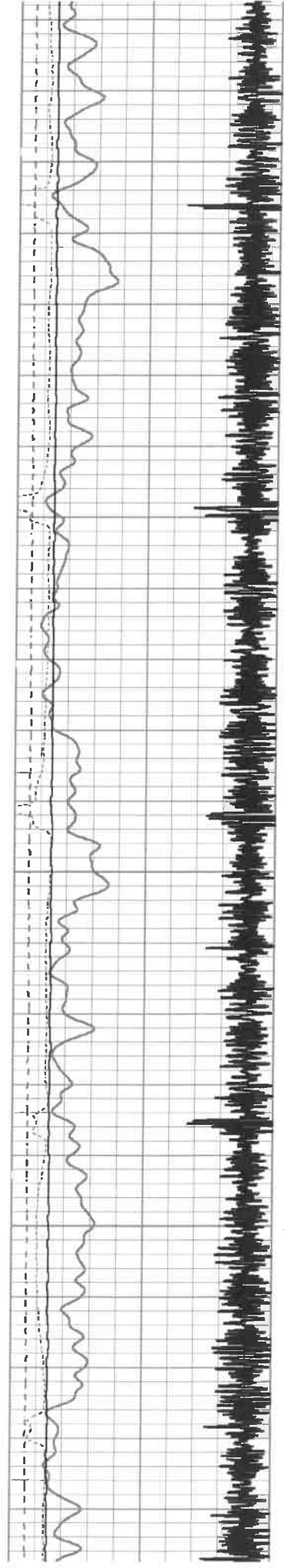
Database File antero_tapeats_2h_may_9_2021_rcbl.db
 Dataset Pathname rcbl/main
 Presentation Format scbl03
 Dataset Creation Mon May 10 09:30:16 2021
 Charted by Depth in Feet scaled 1:240

291	Travel Time (usec)	191	0	Amplitude (mV)	100	0	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	0	AMPMAX	150	200 (usec)	1200		
0	Gamma Ray (GAPI)	150	0	AMPAVG	150							
0	Line Tension (lb)	5000		TEMP								
-100	LSPD (ft/min)	100		(degF)								

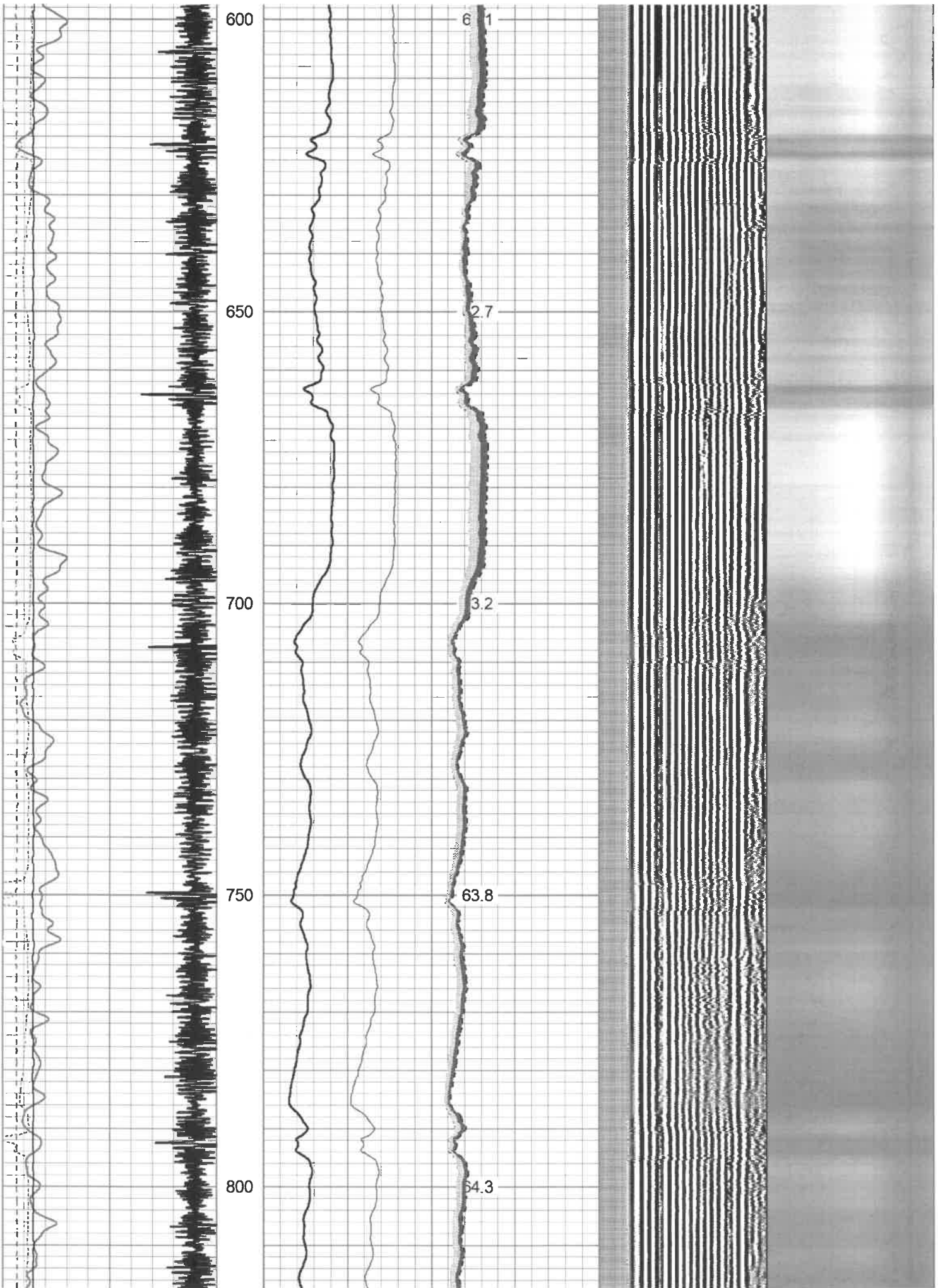


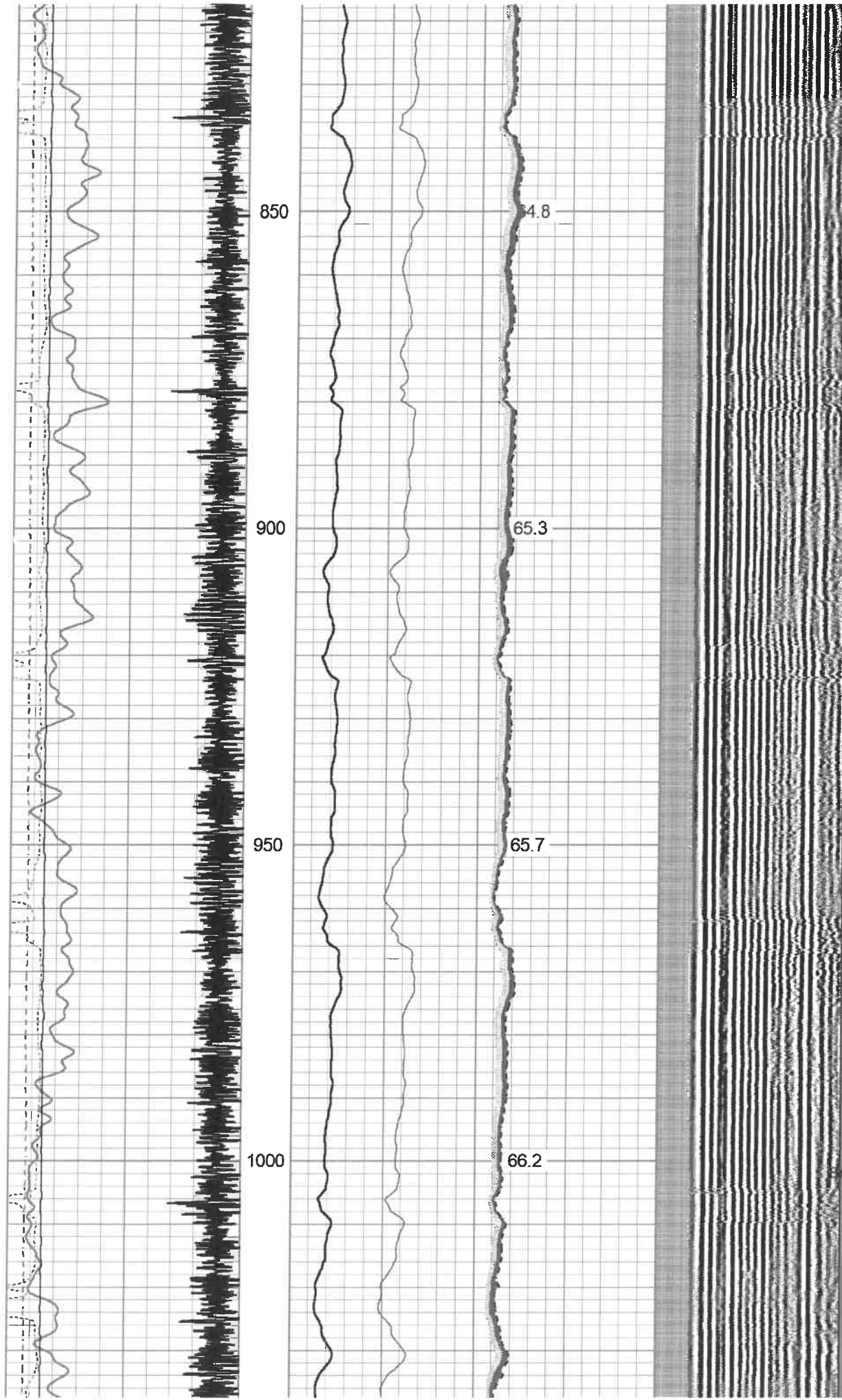
RECEIVED
 Office of Oil and Gas
 FEB 10 2022
 WV Department of
 Environmental Protection



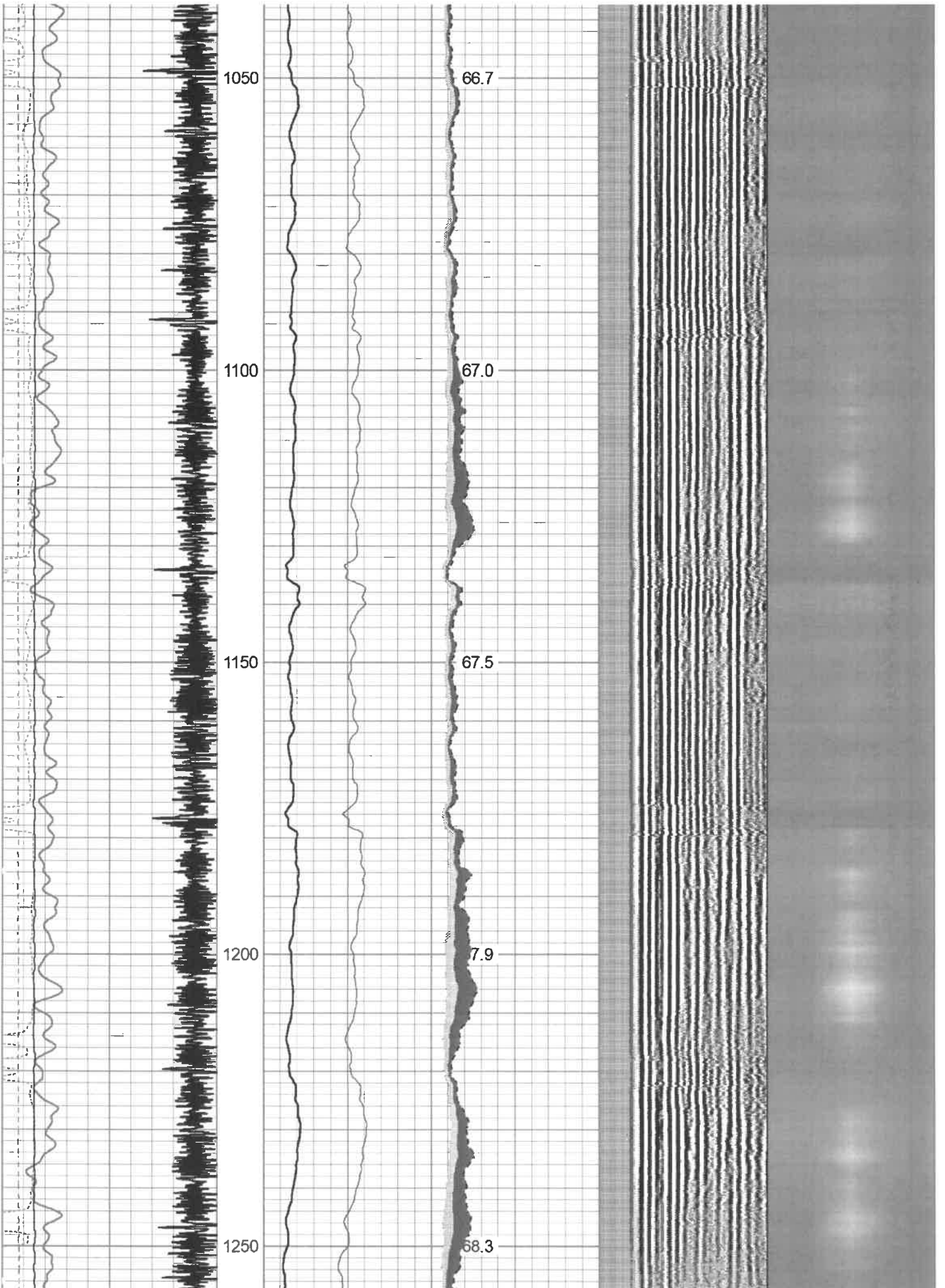


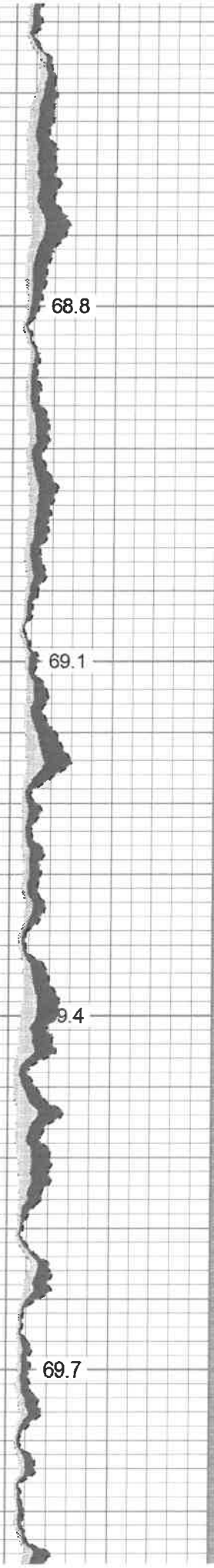
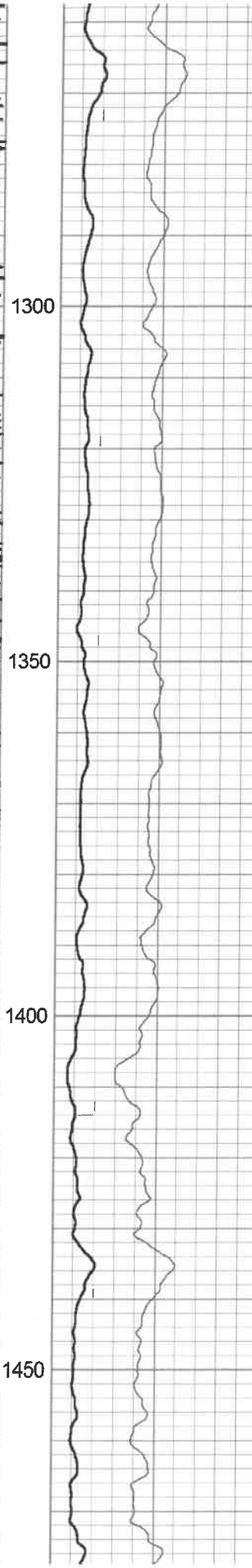
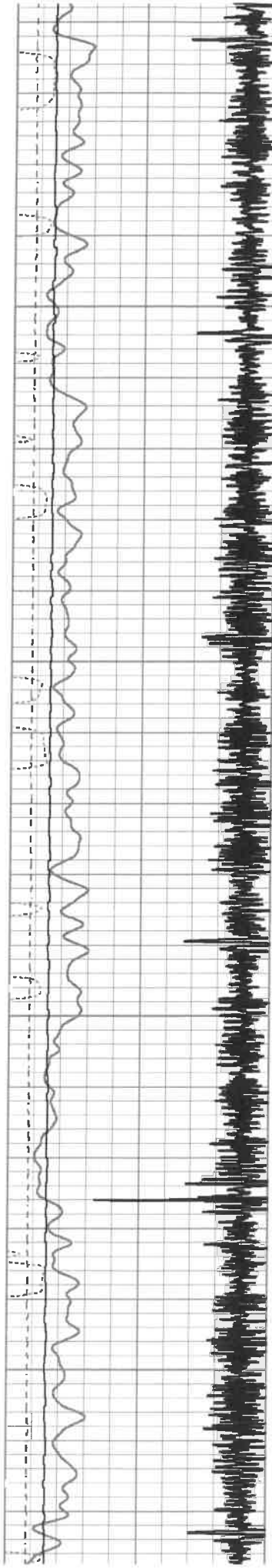
RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection





RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection





1300

68.8

1350

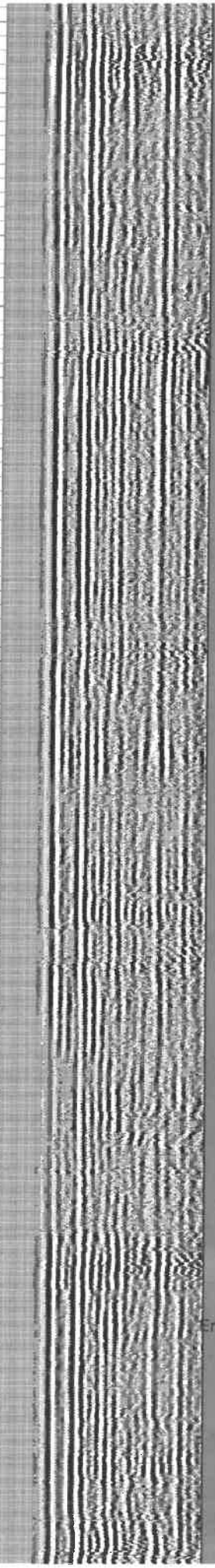
69.1

1400

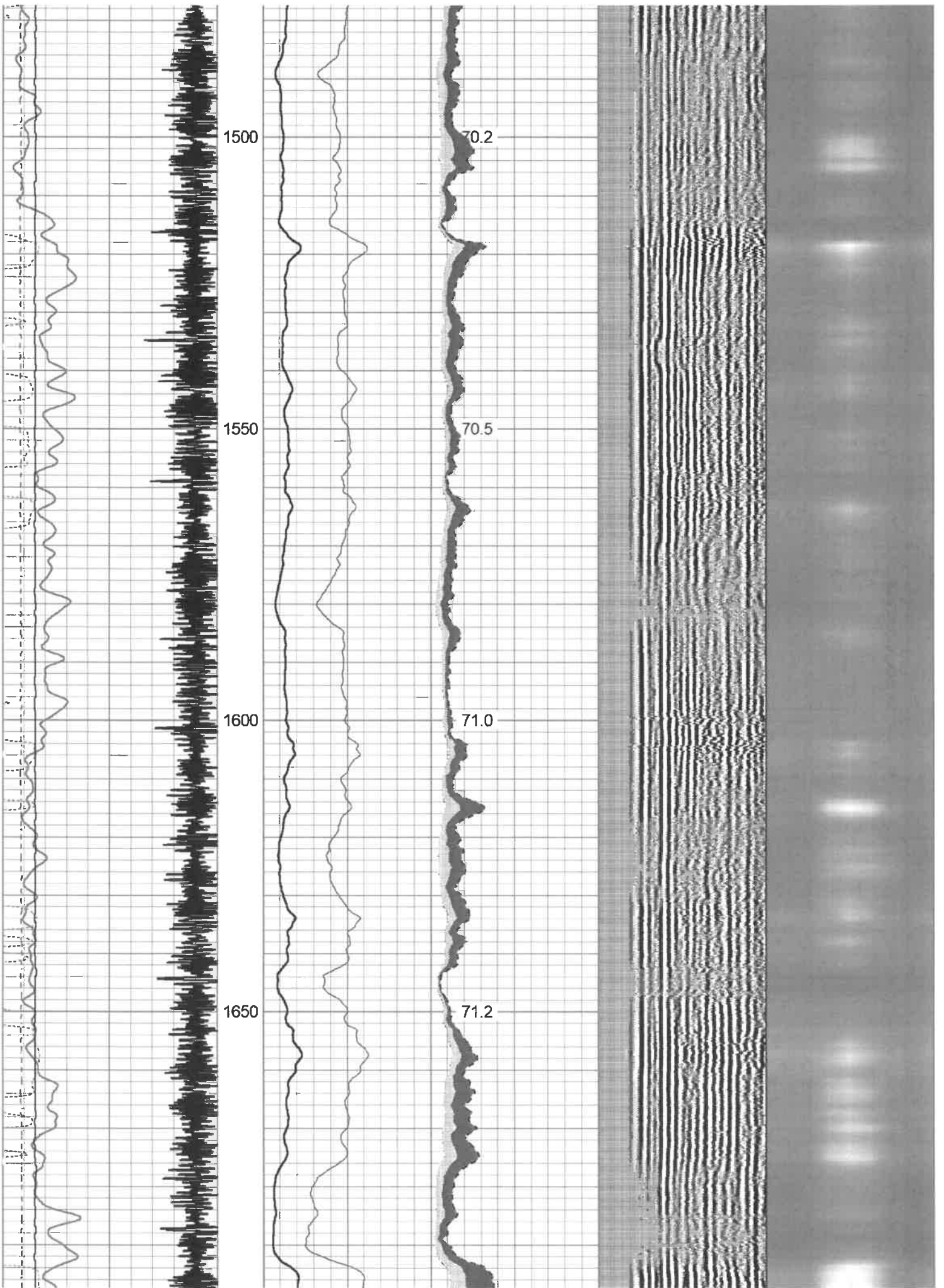
69.4

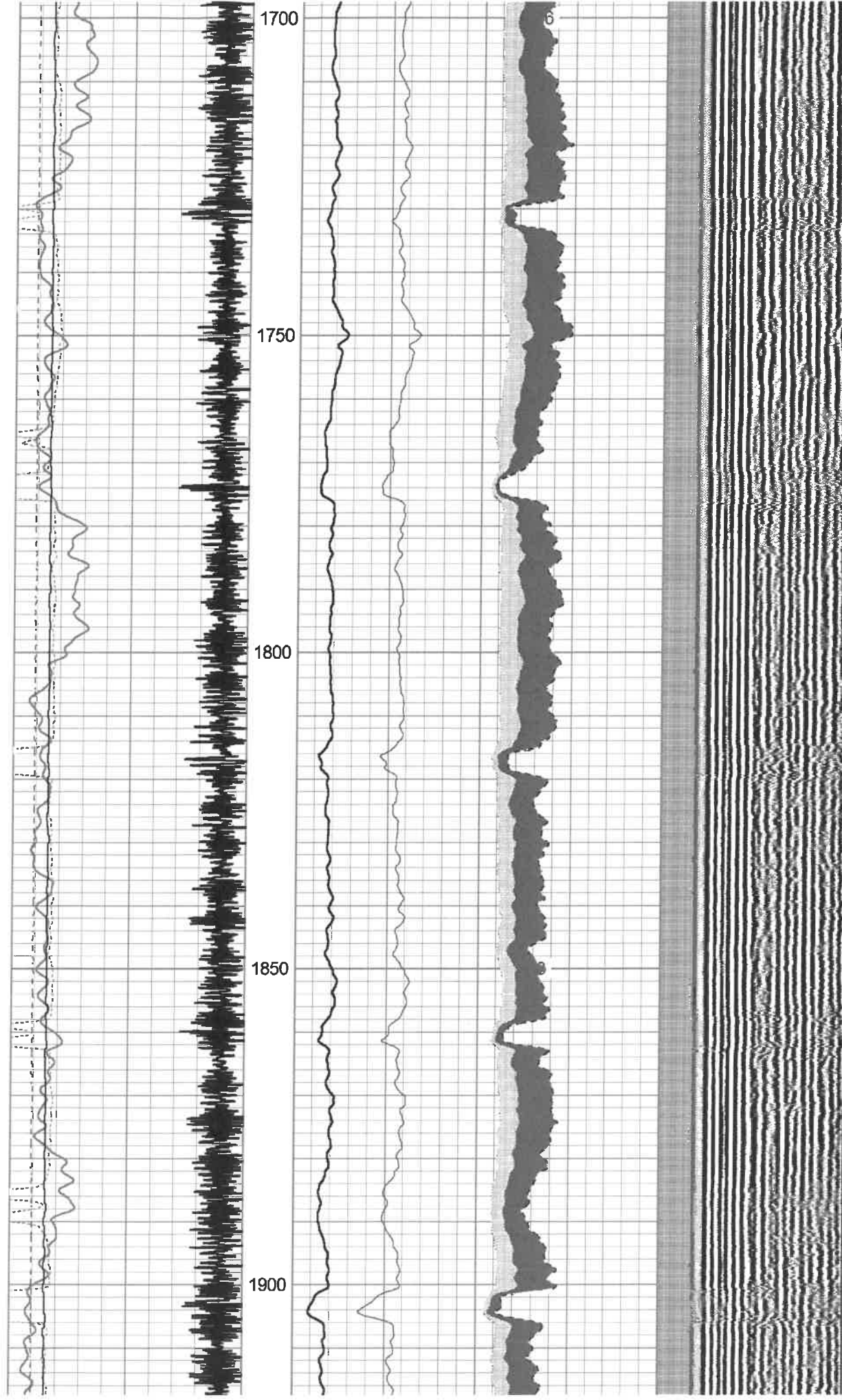
1450

69.7

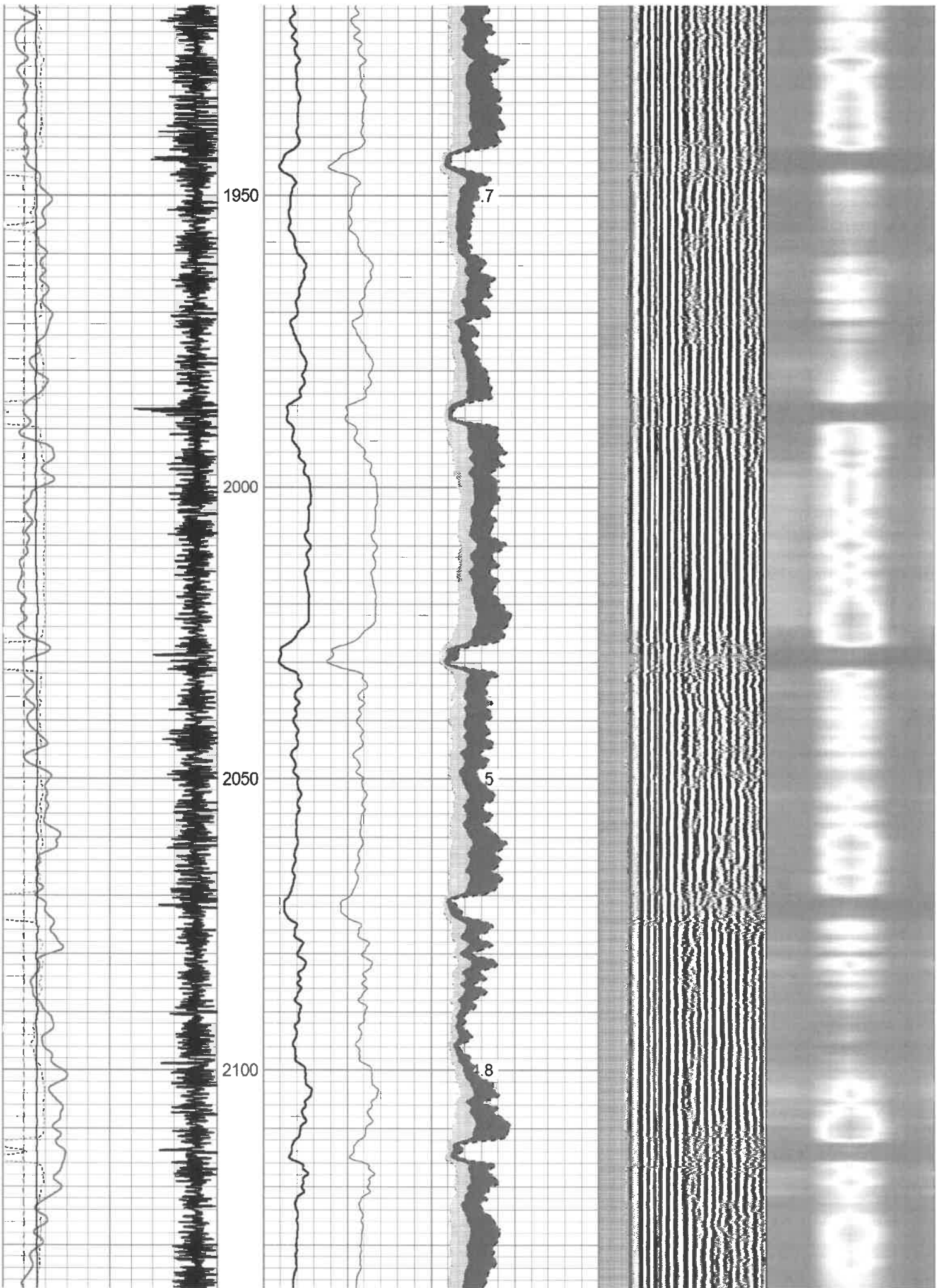


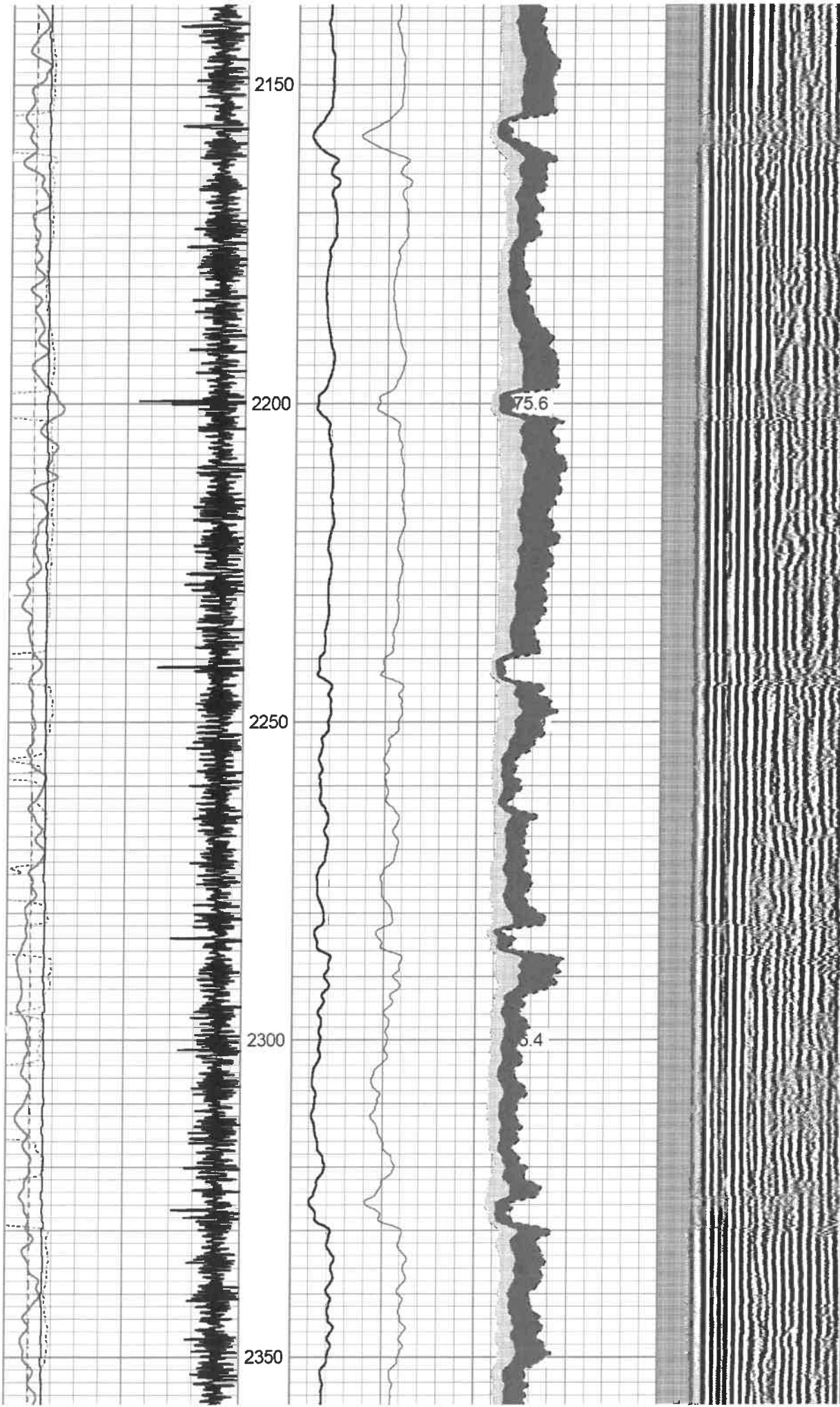
RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection



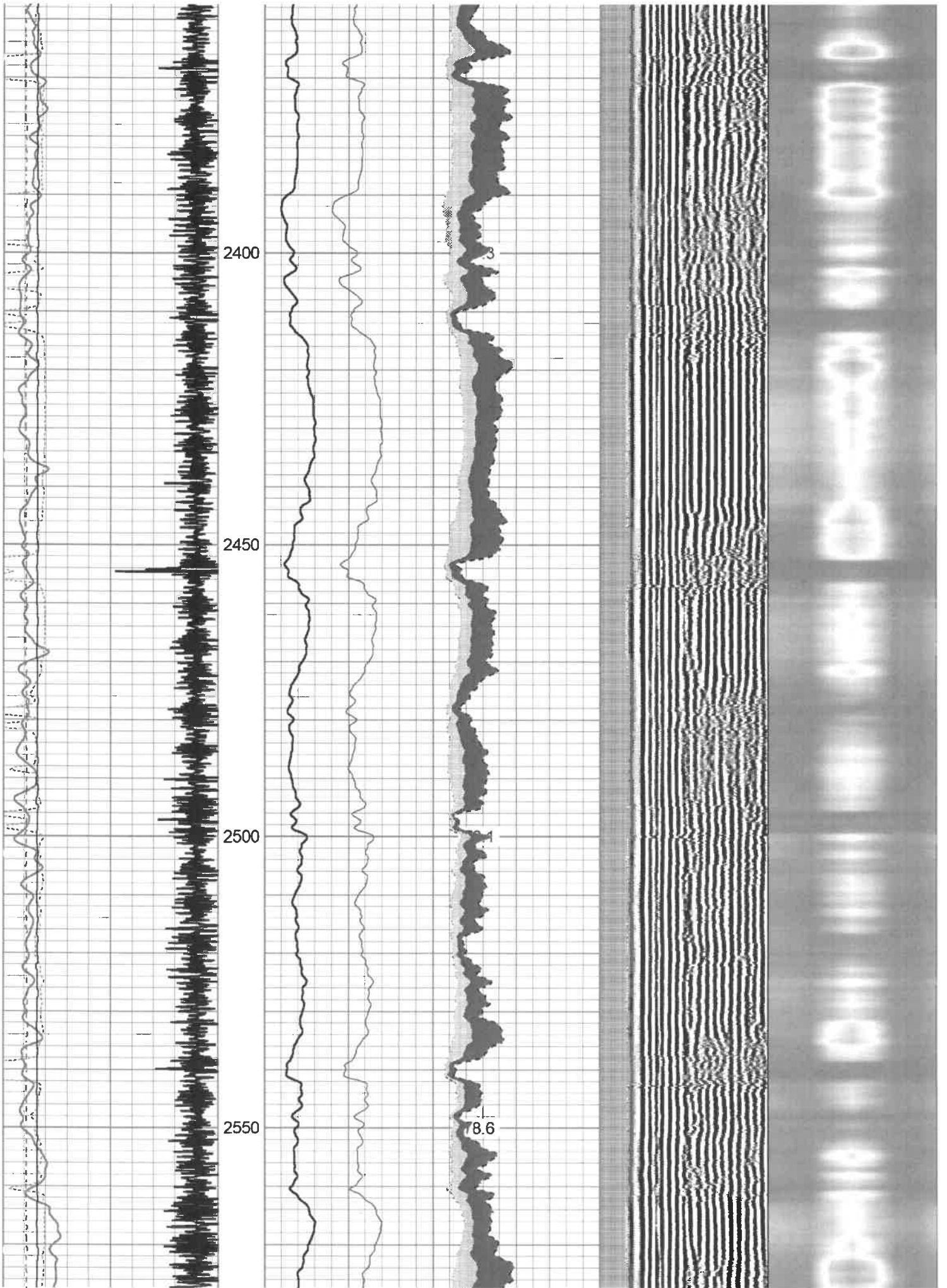


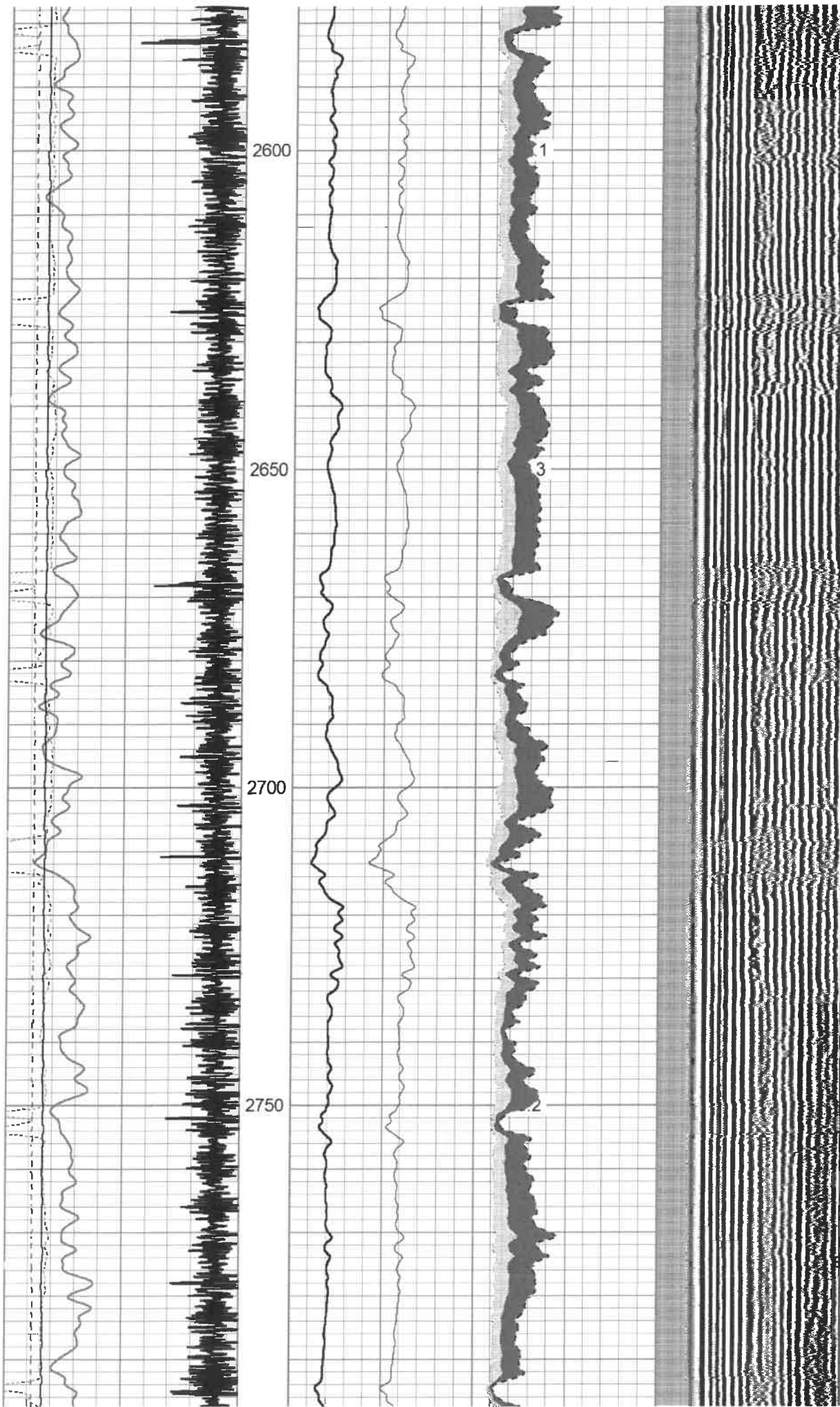
RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection





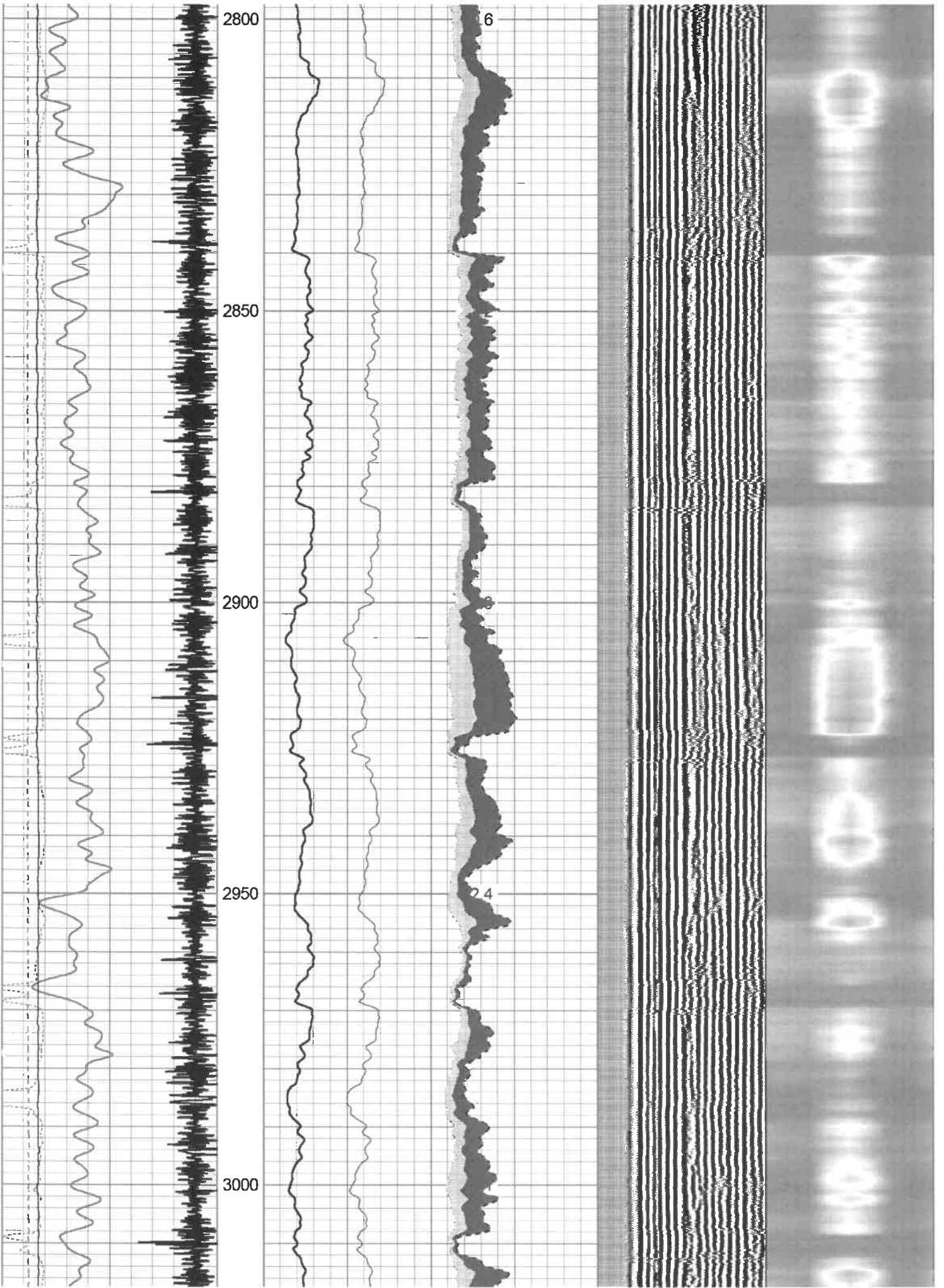
RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection

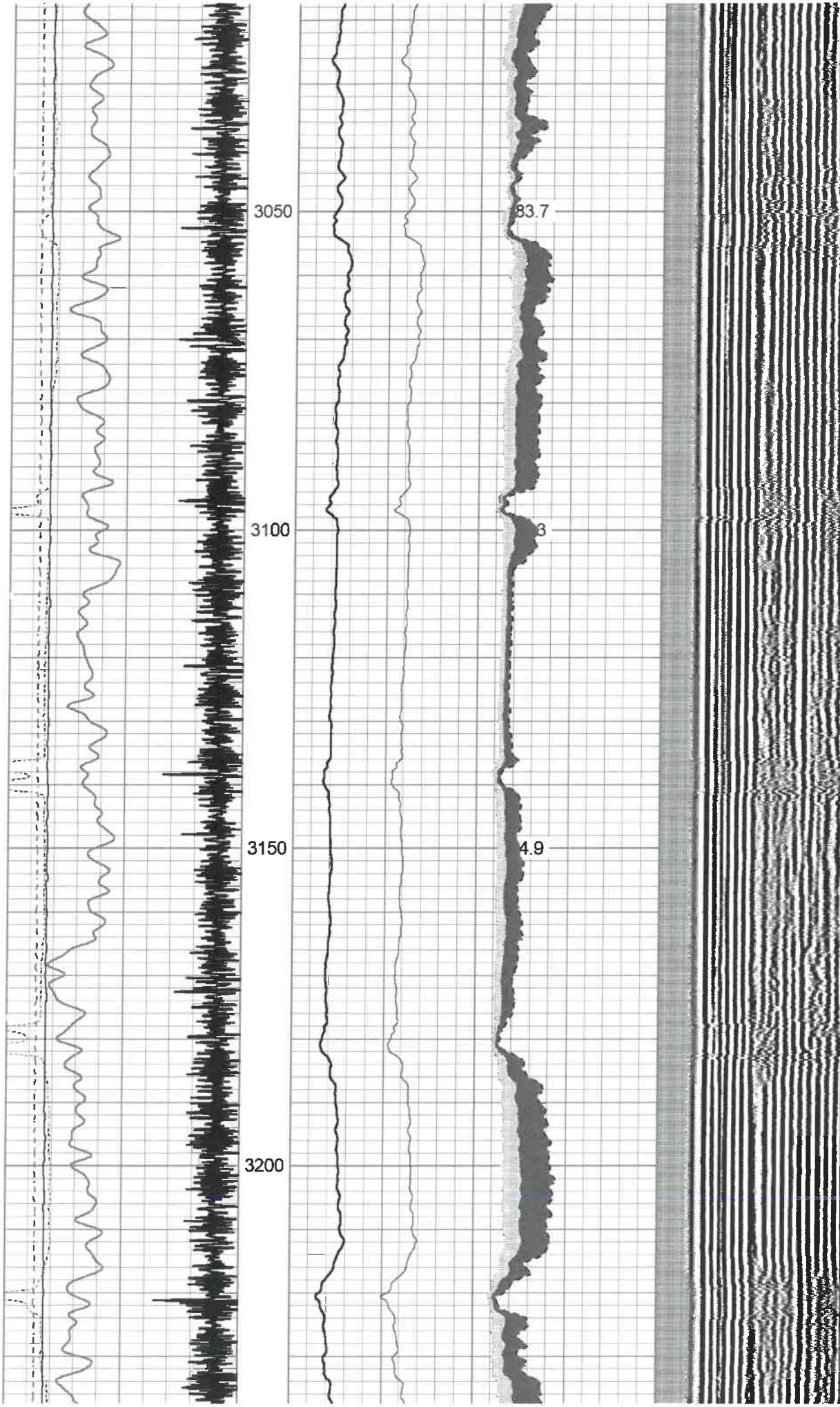




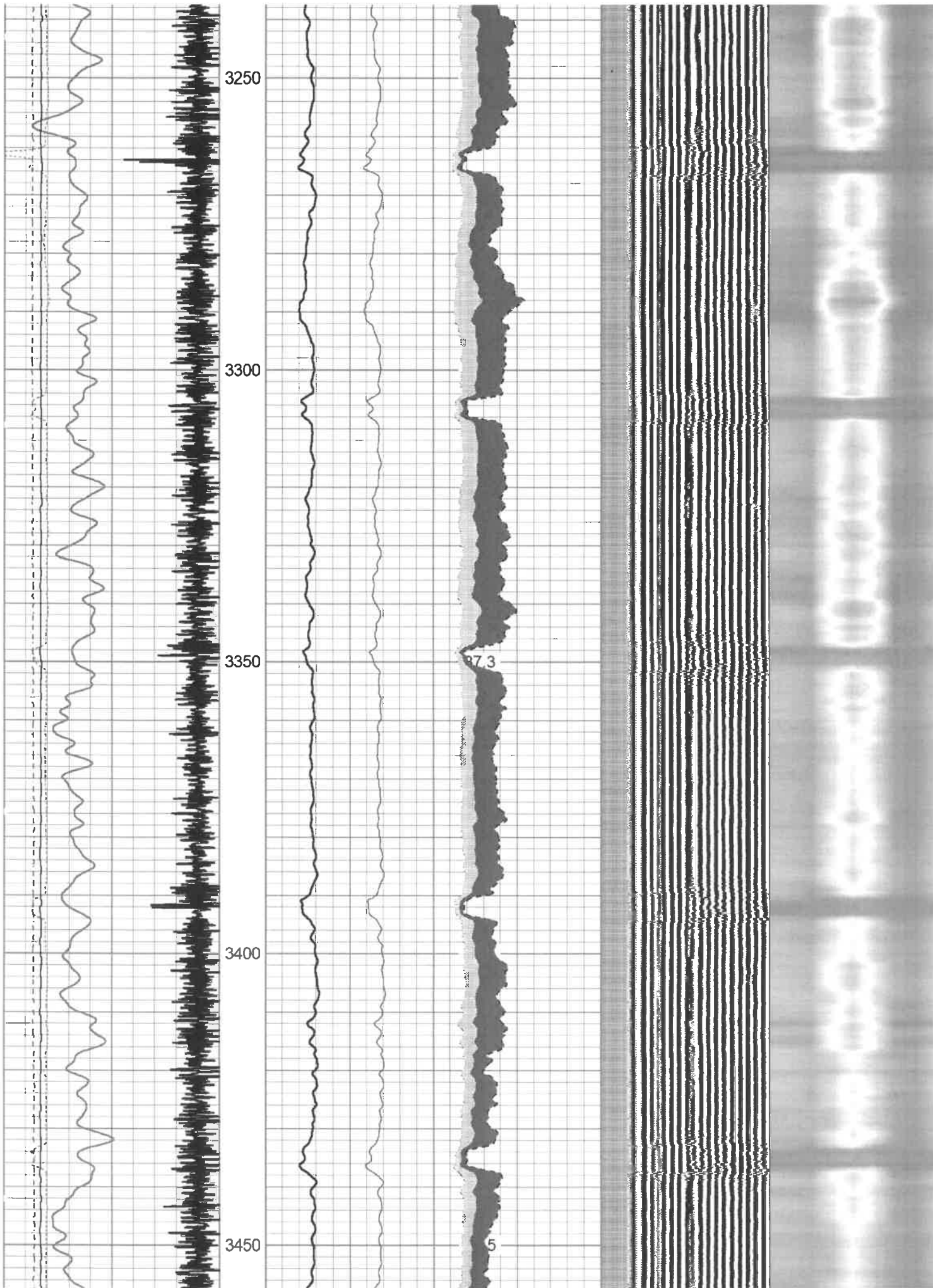
DEPARTMENT OF ENVIRONMENTAL PROTECTION

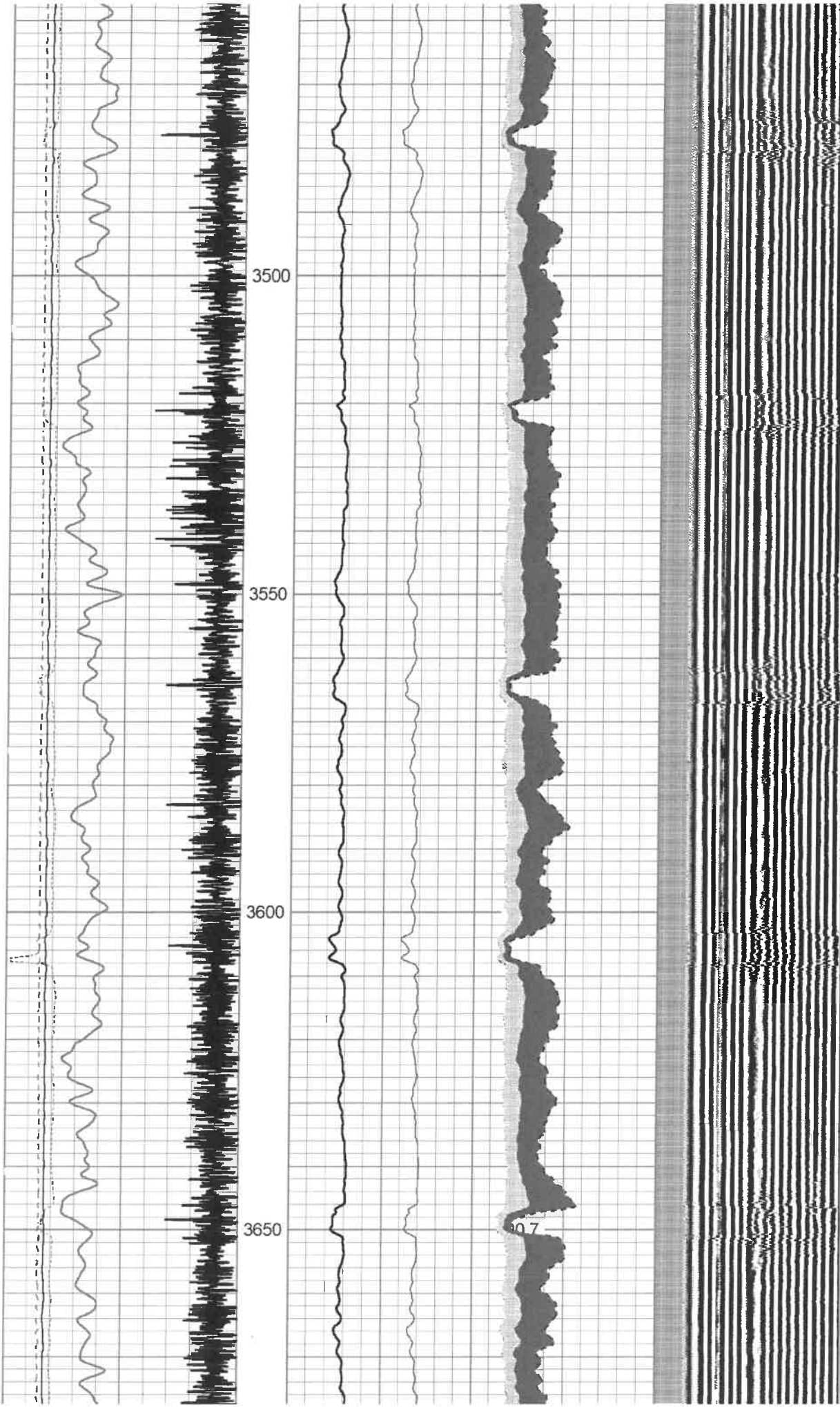
RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection



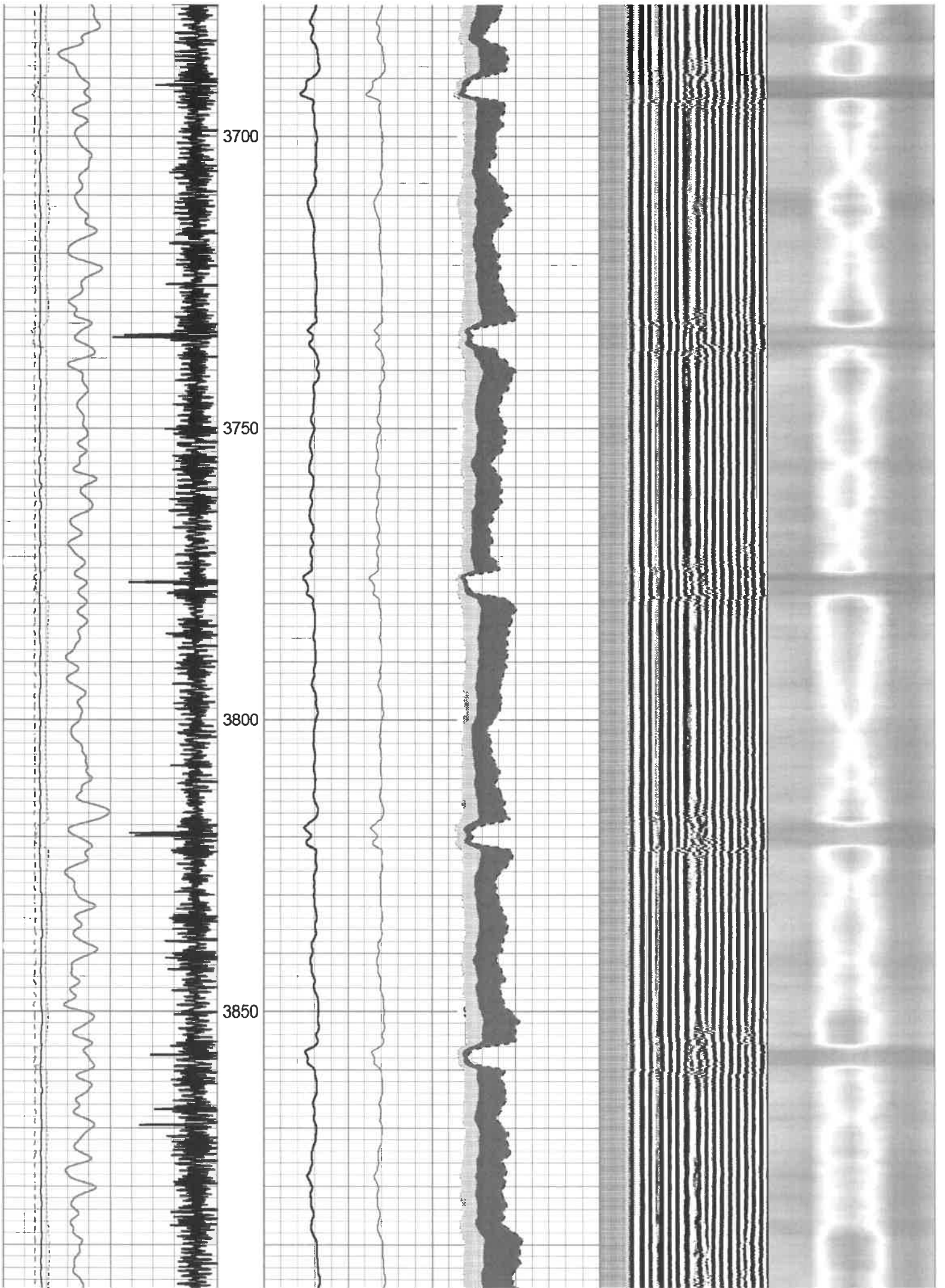


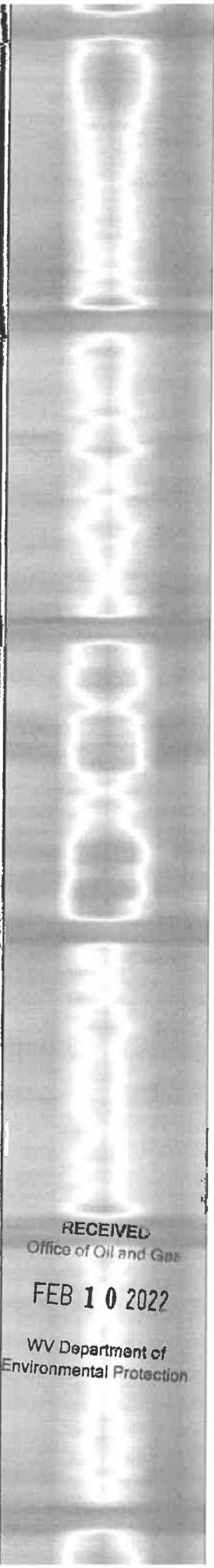
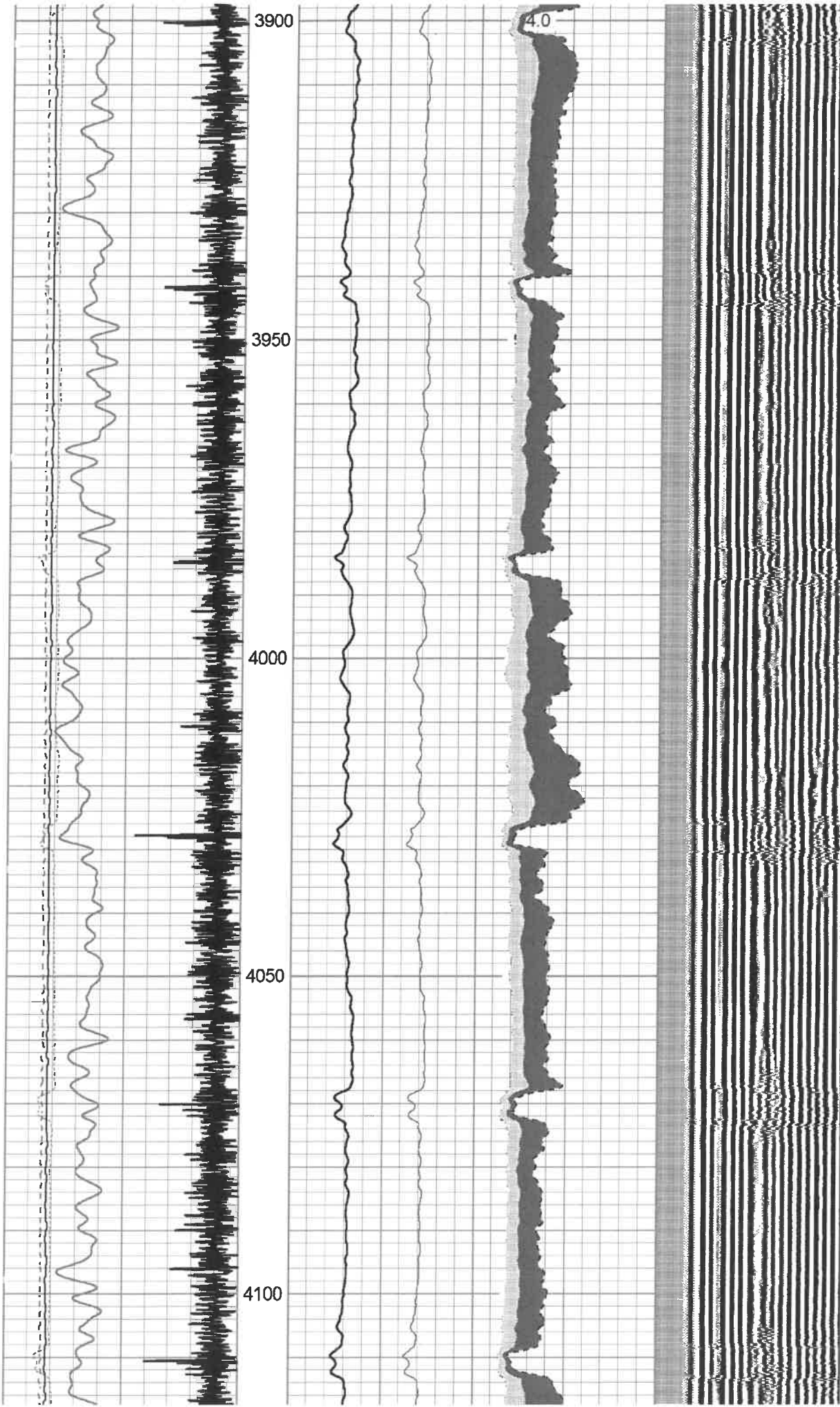
RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection

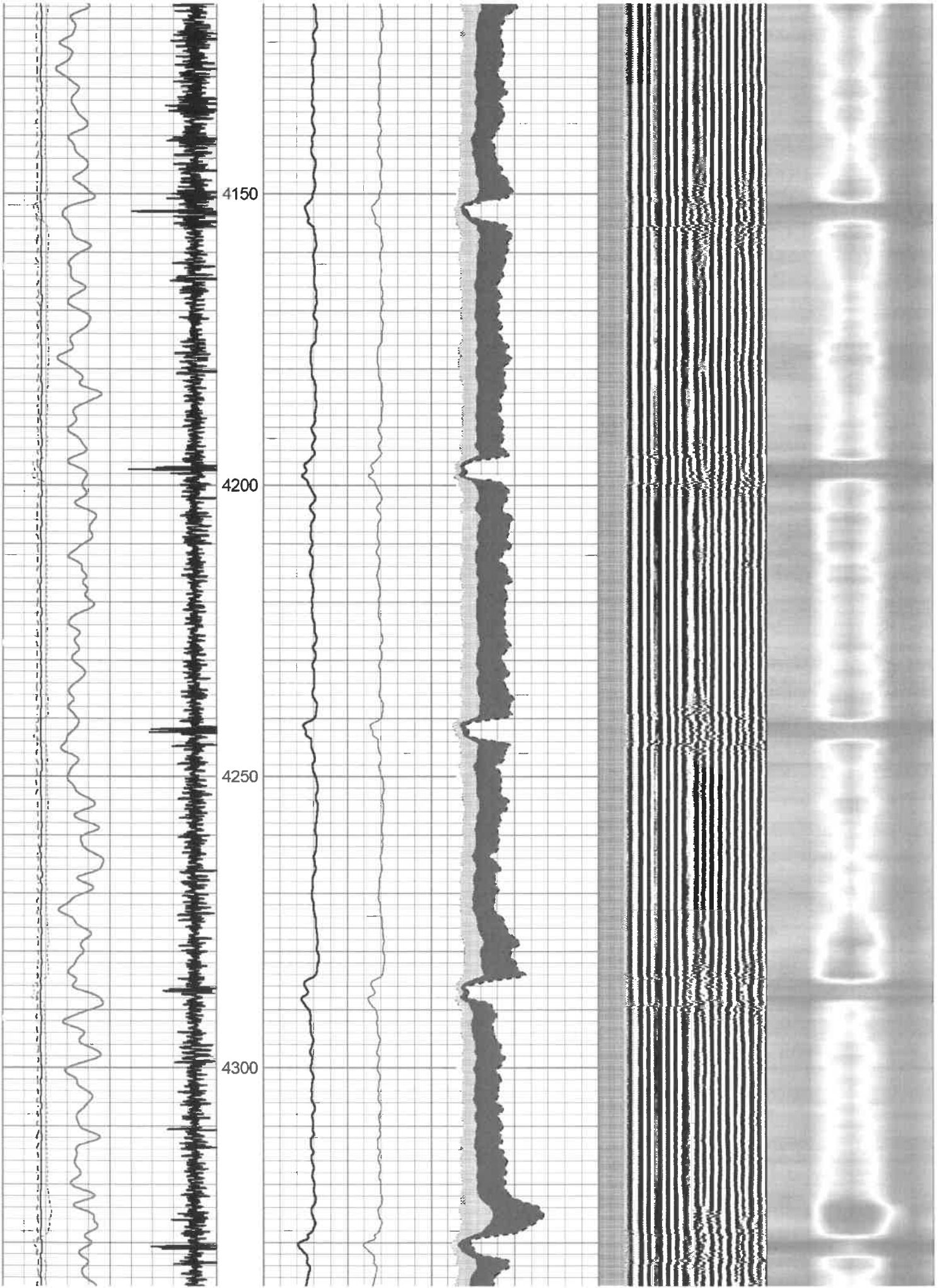


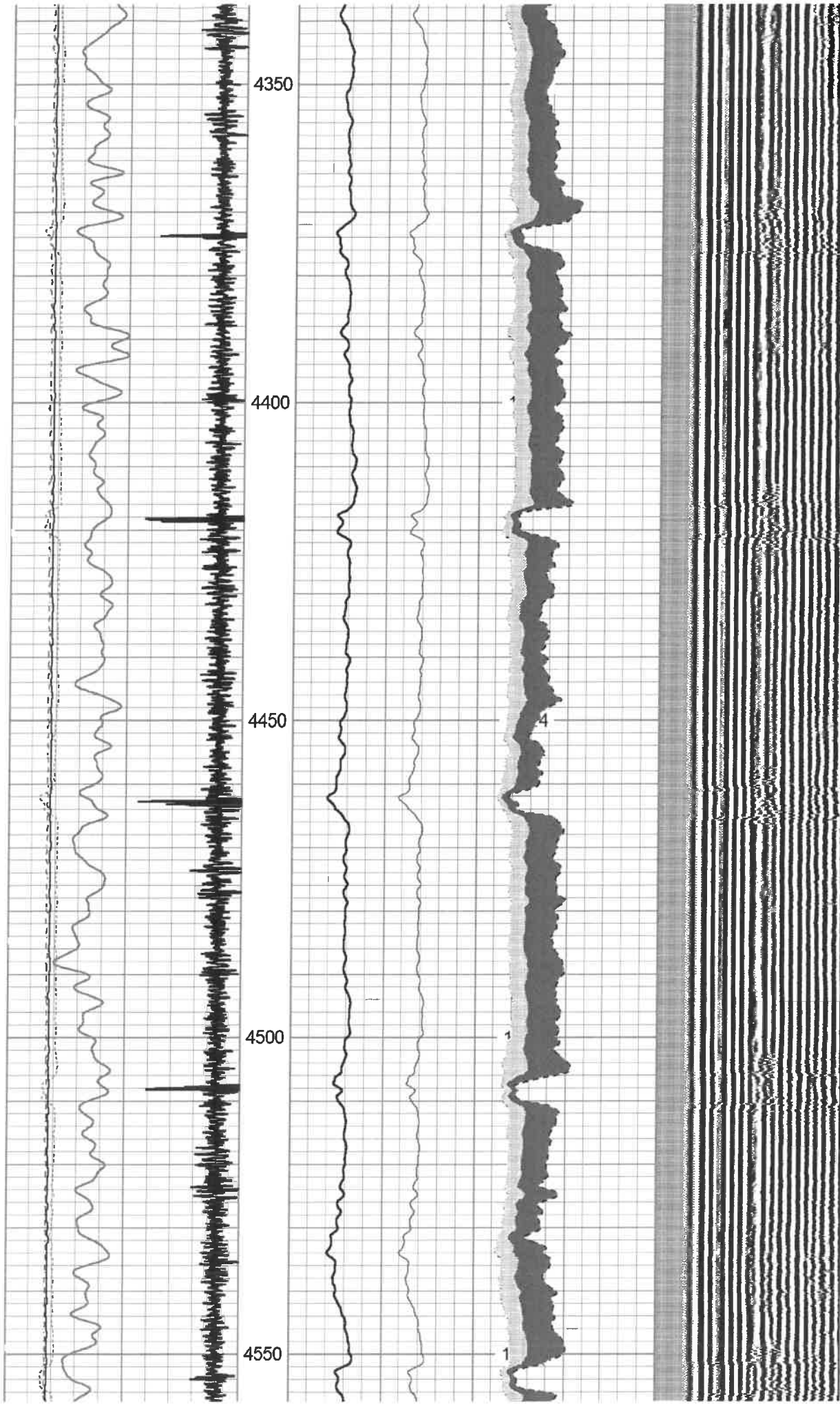


RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection

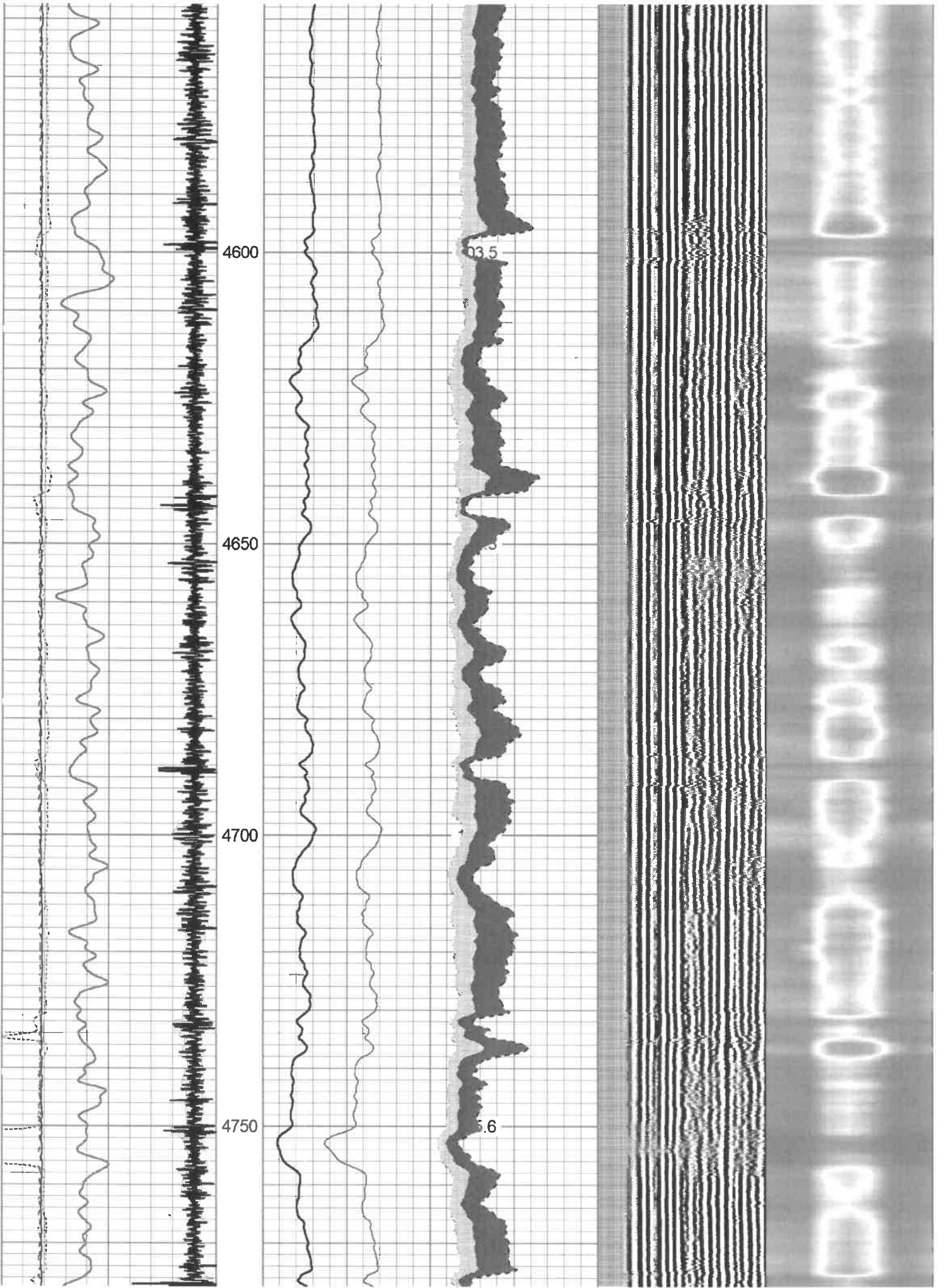


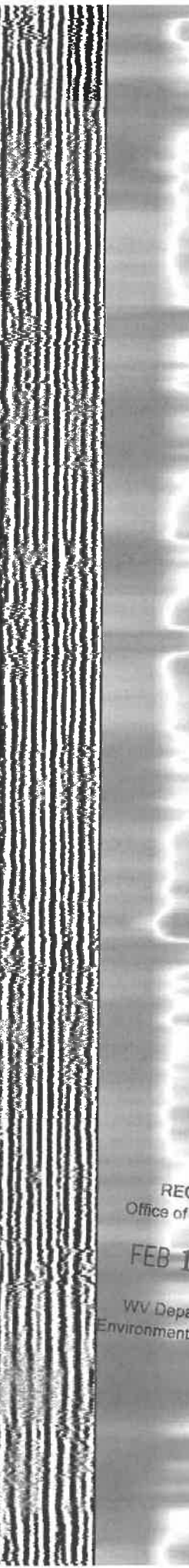
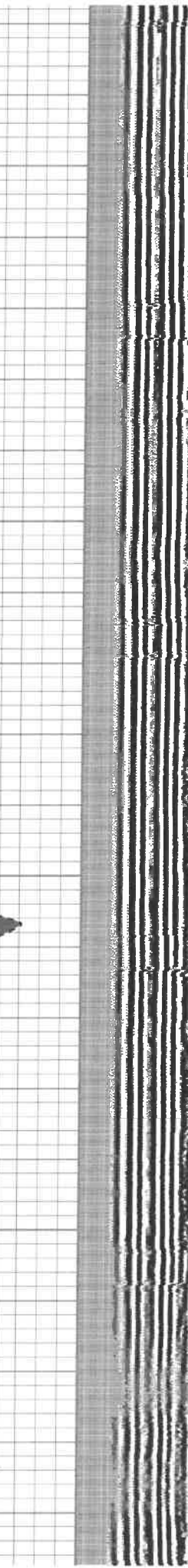
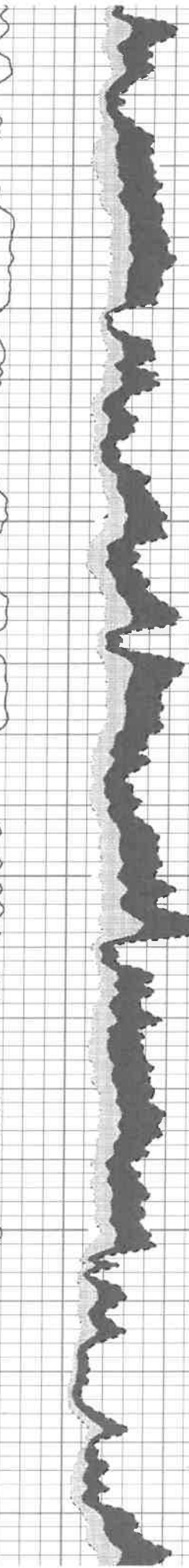
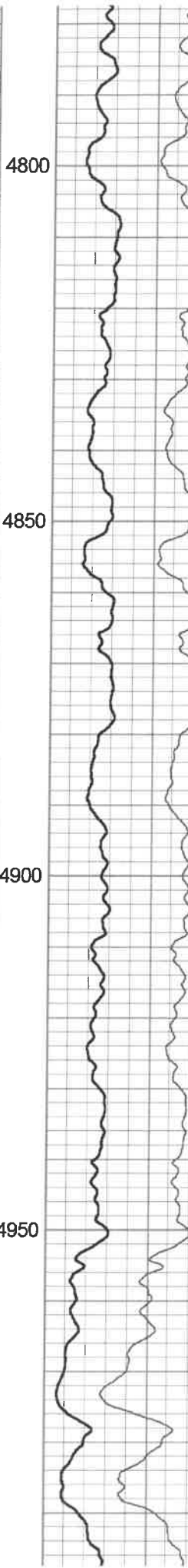
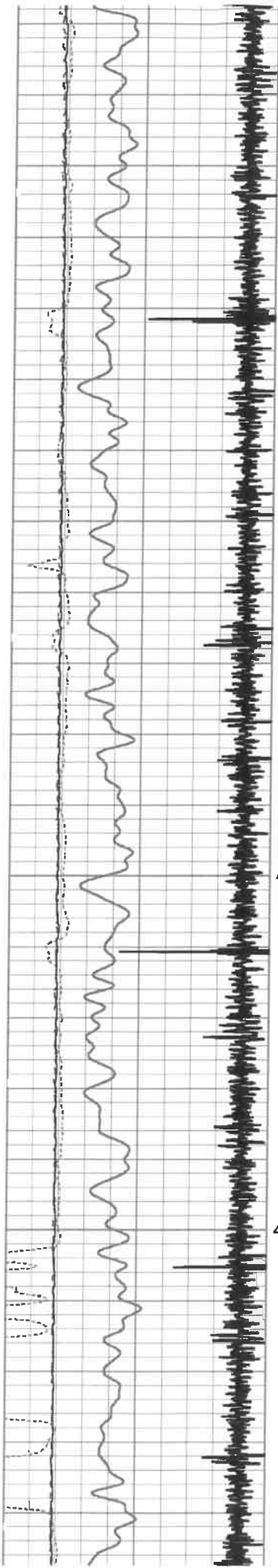




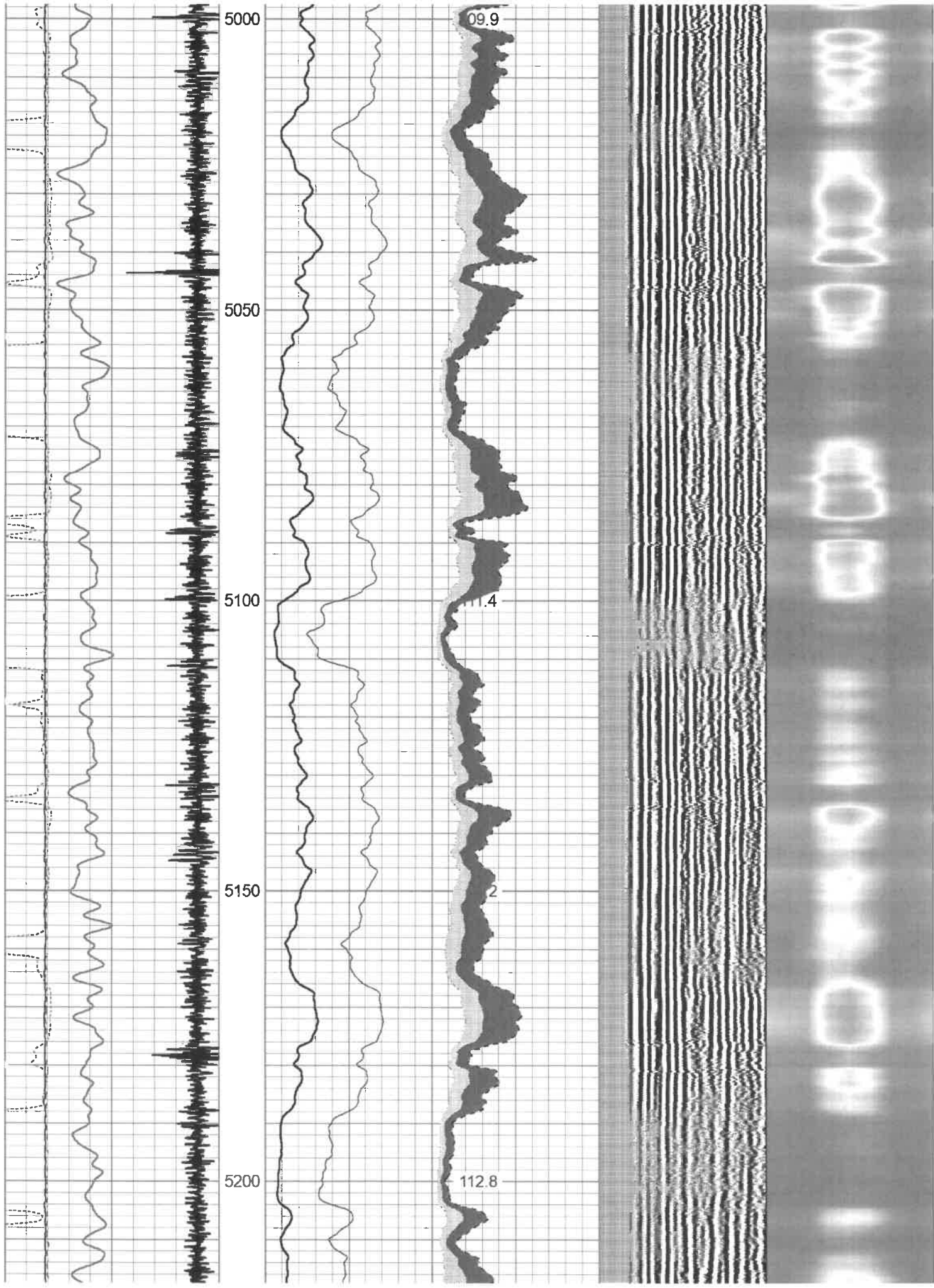


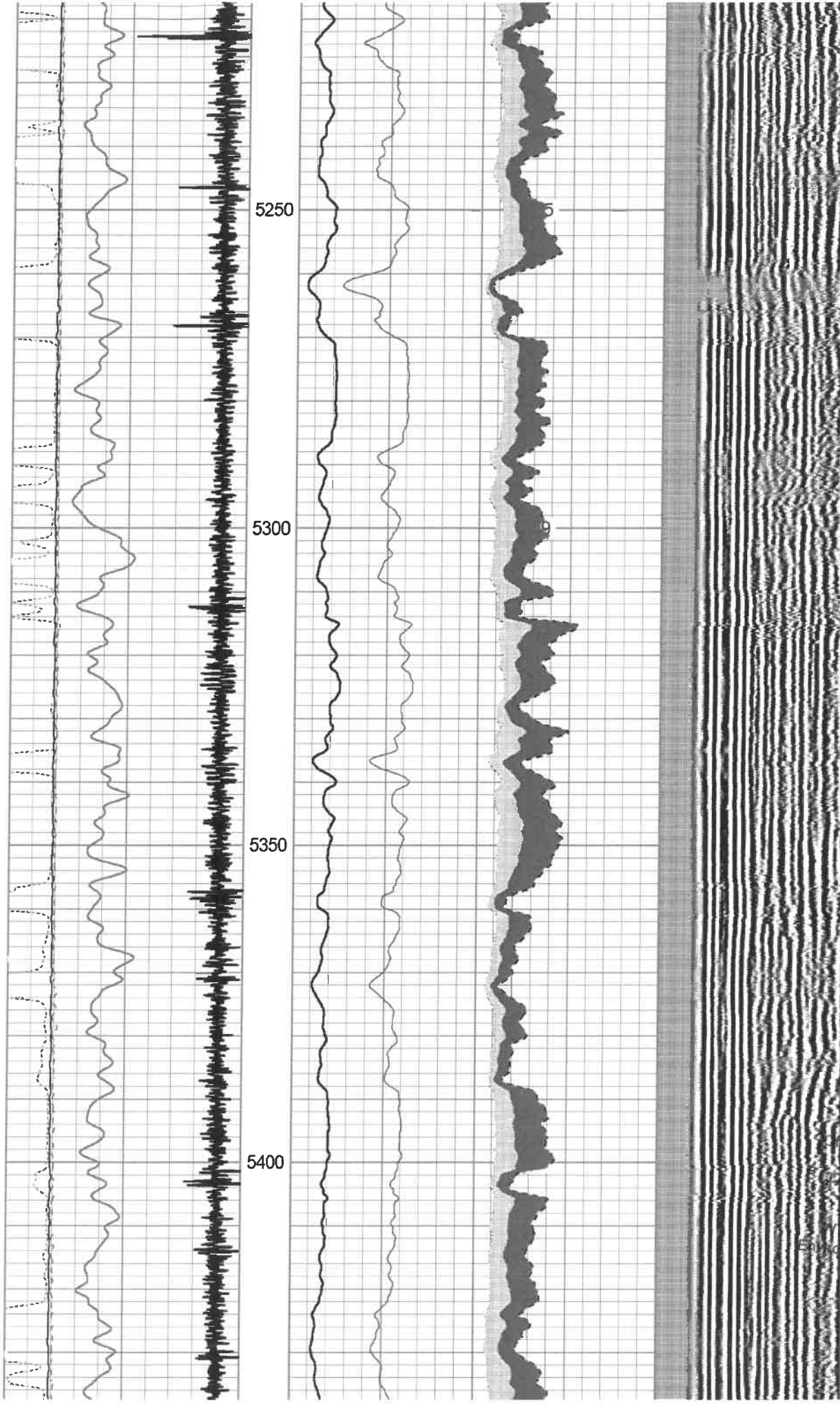
RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection





RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection

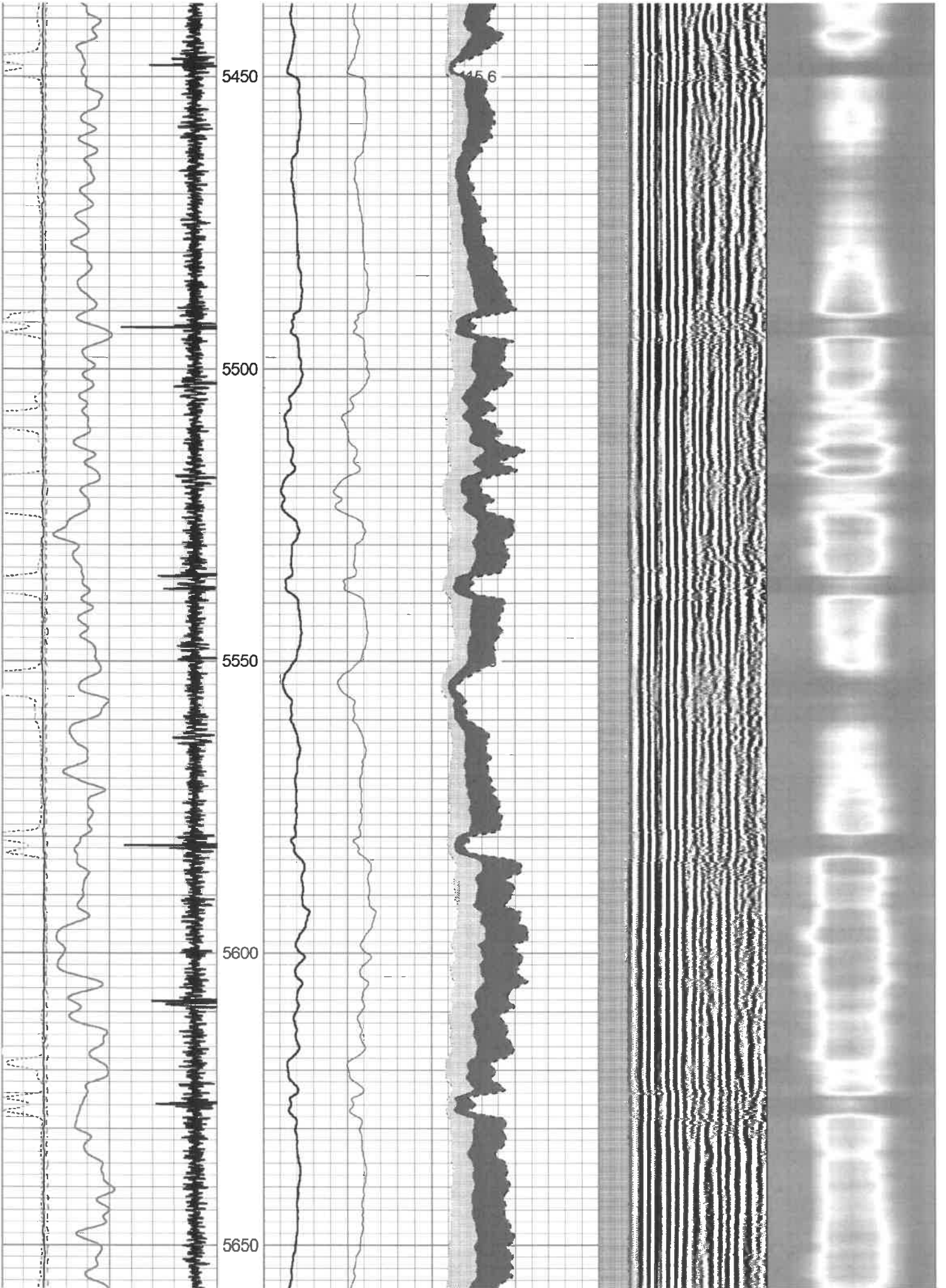


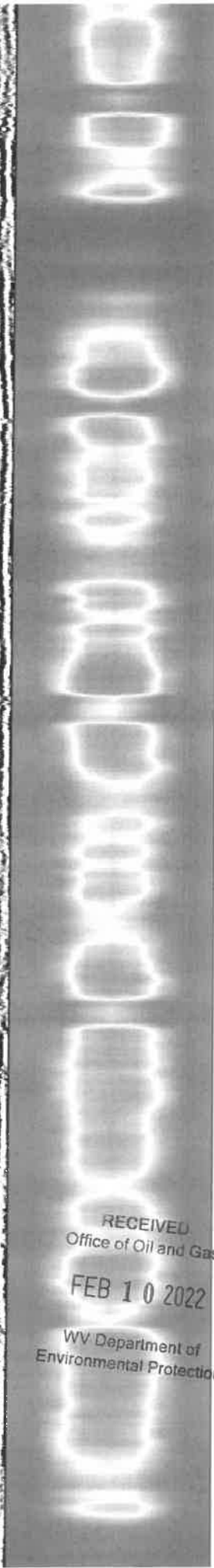
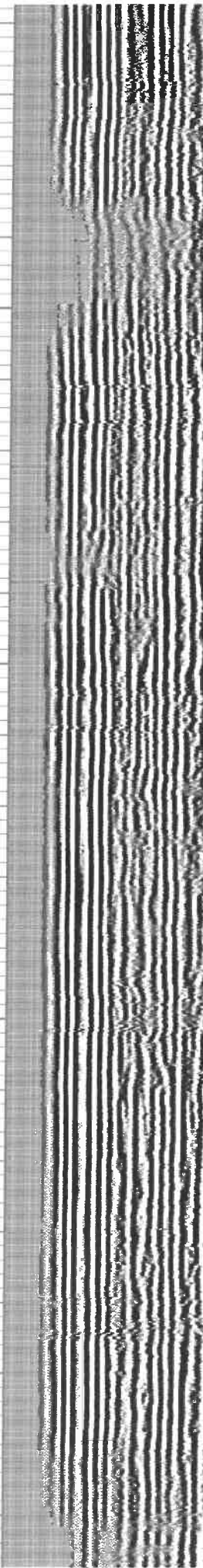
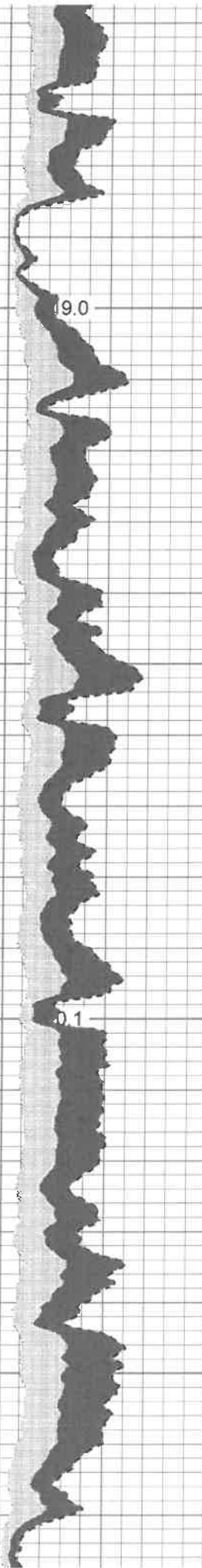
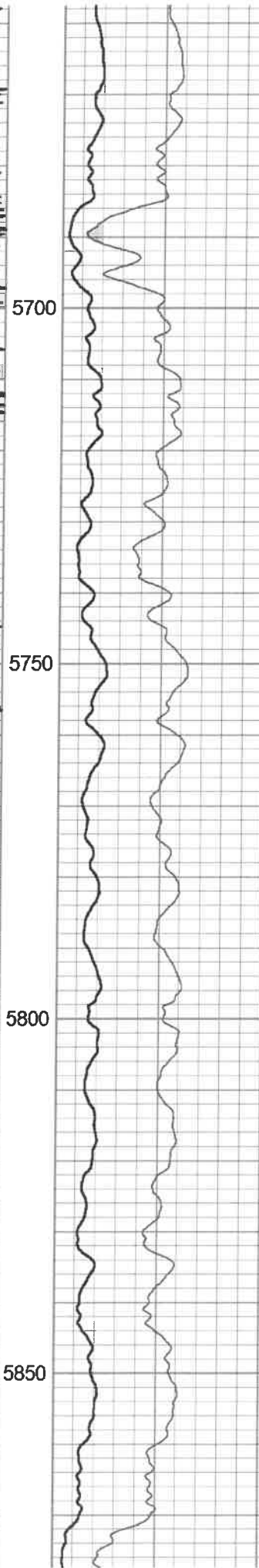
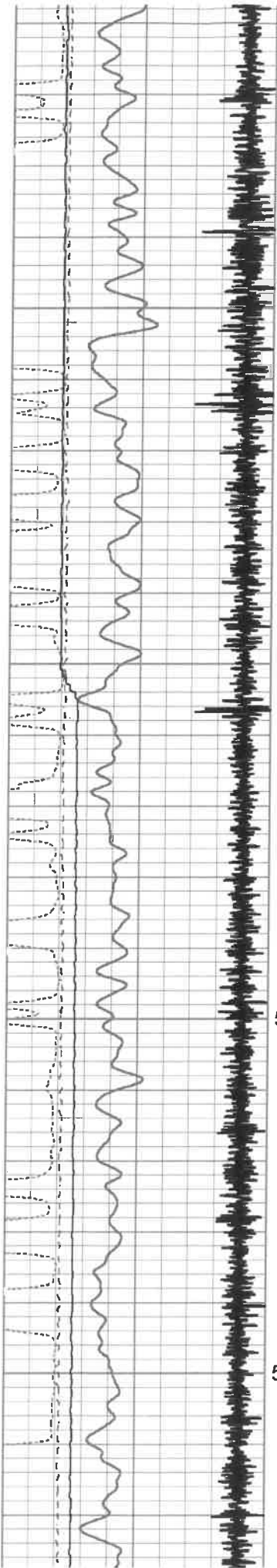


RECEIVED
Office of Oil and Gas

FEB 10 2022

WV Department of
Environmental Protection





5700

19.0

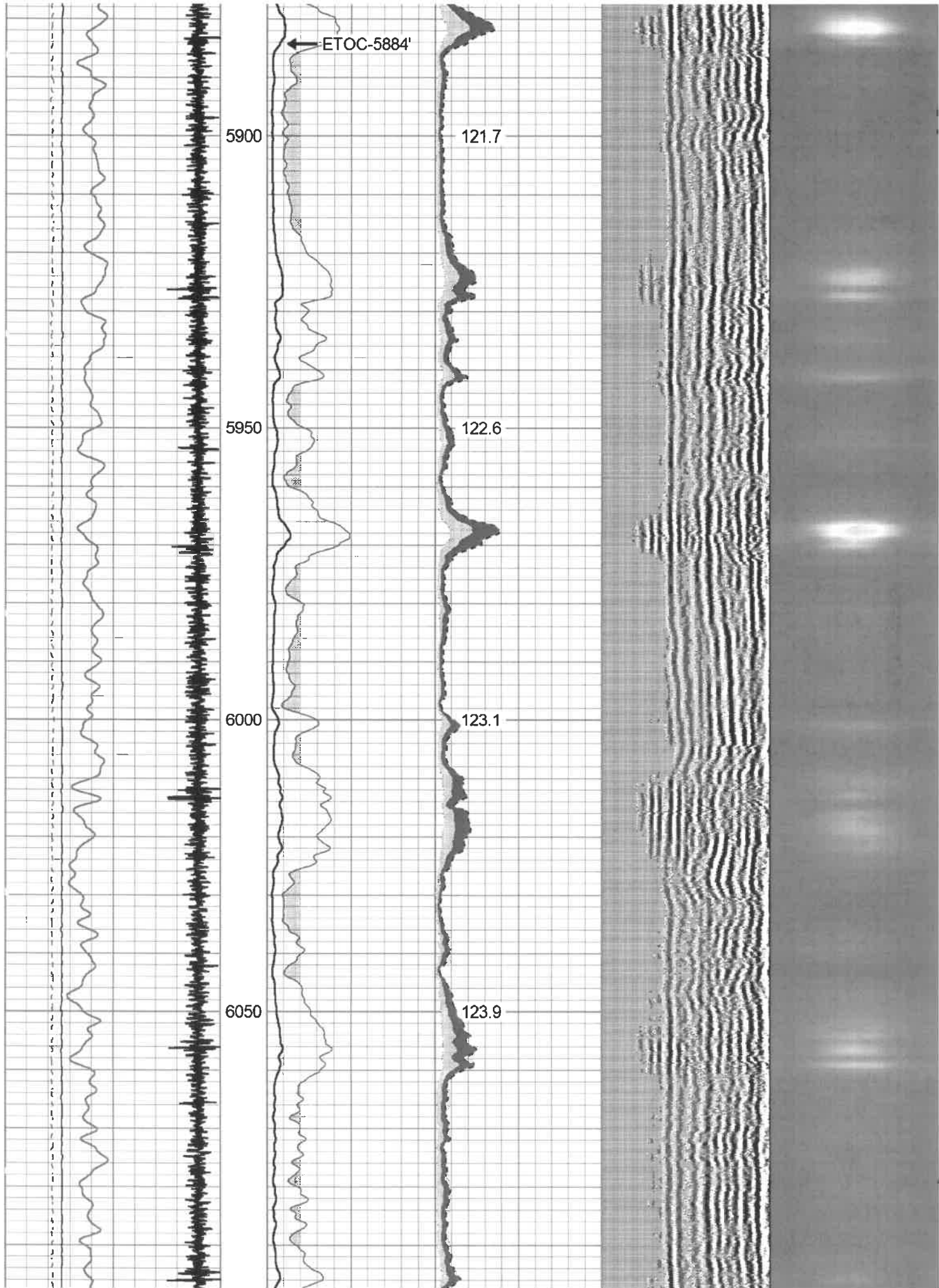
5750

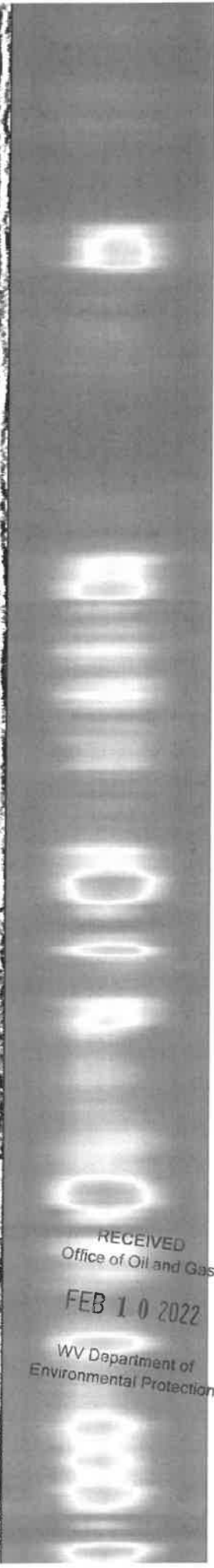
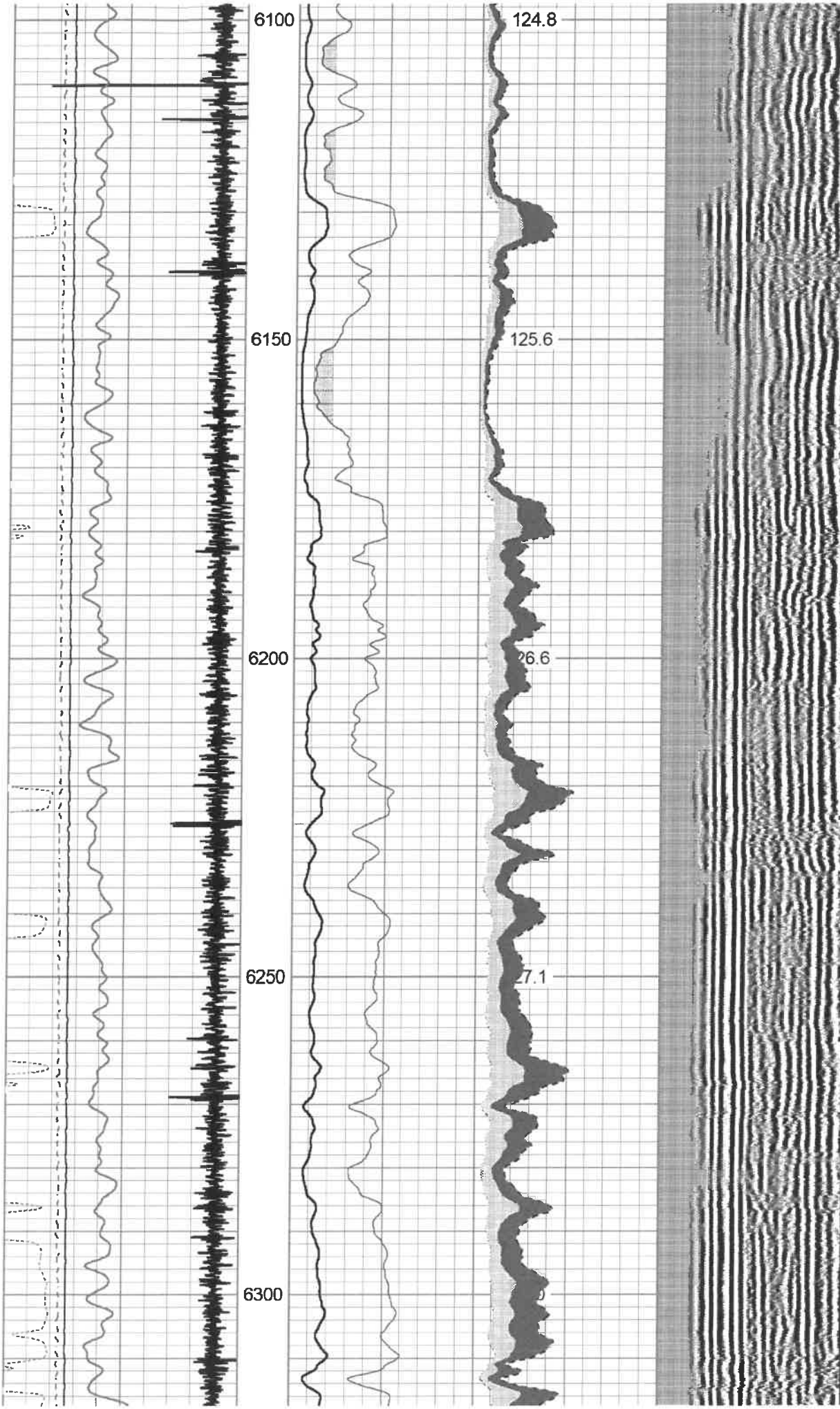
5800

0.1

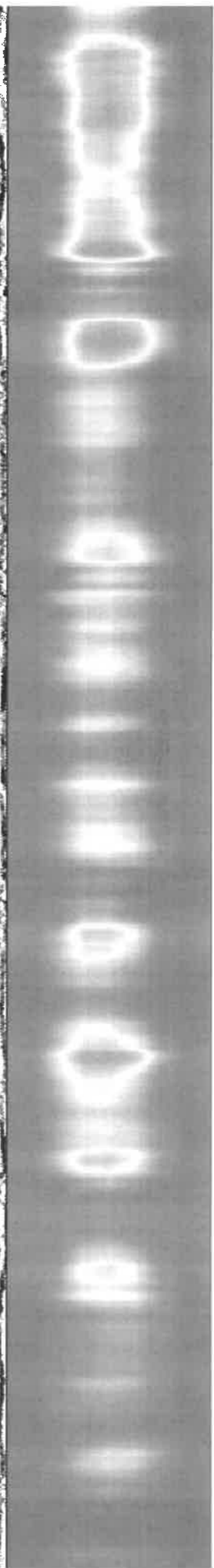
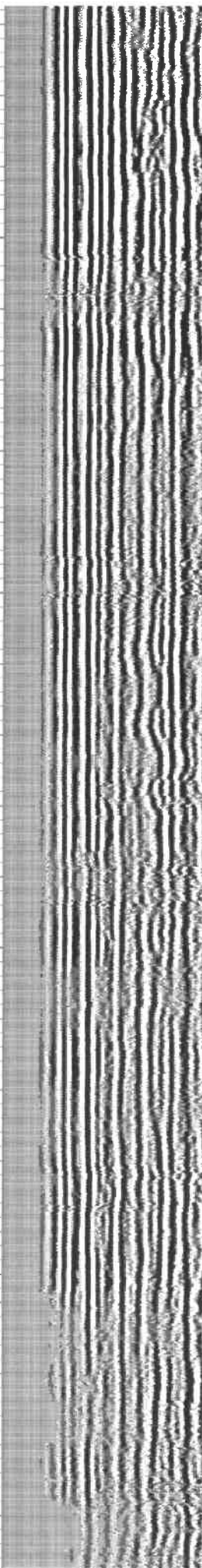
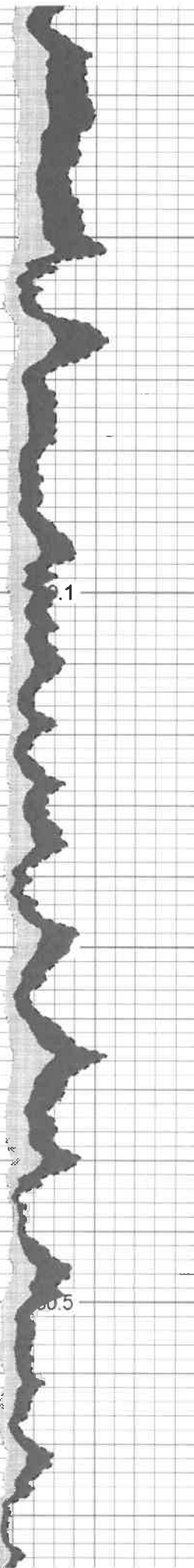
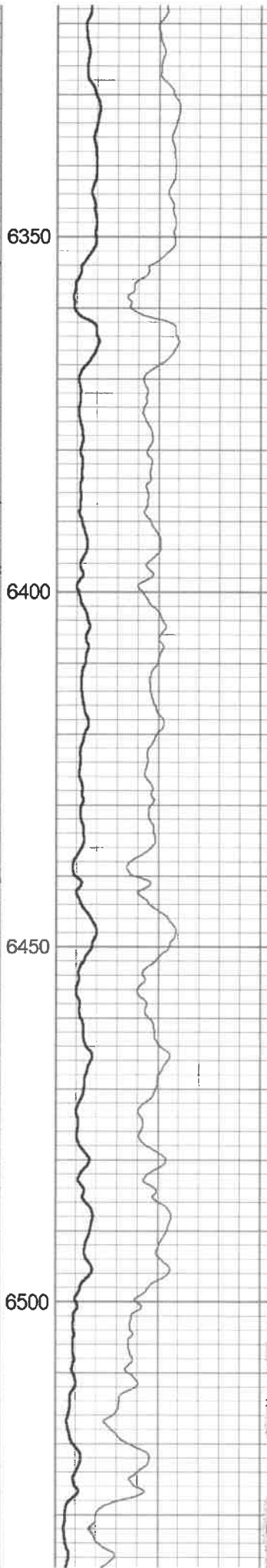
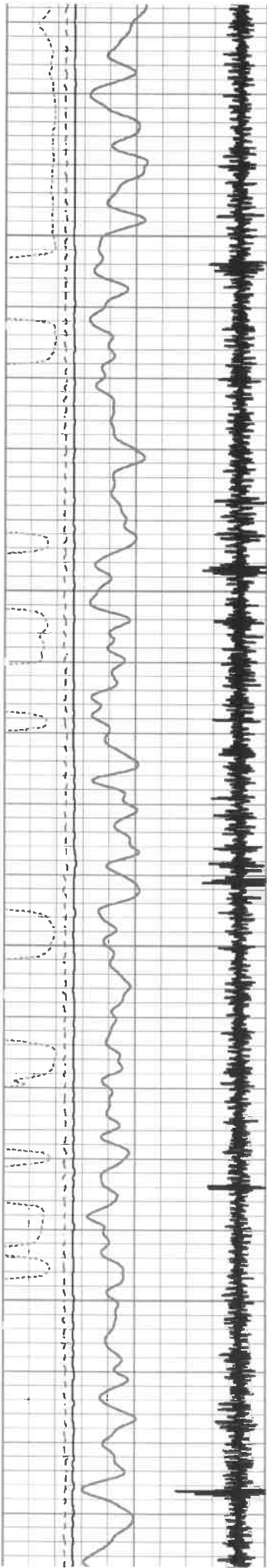
5850

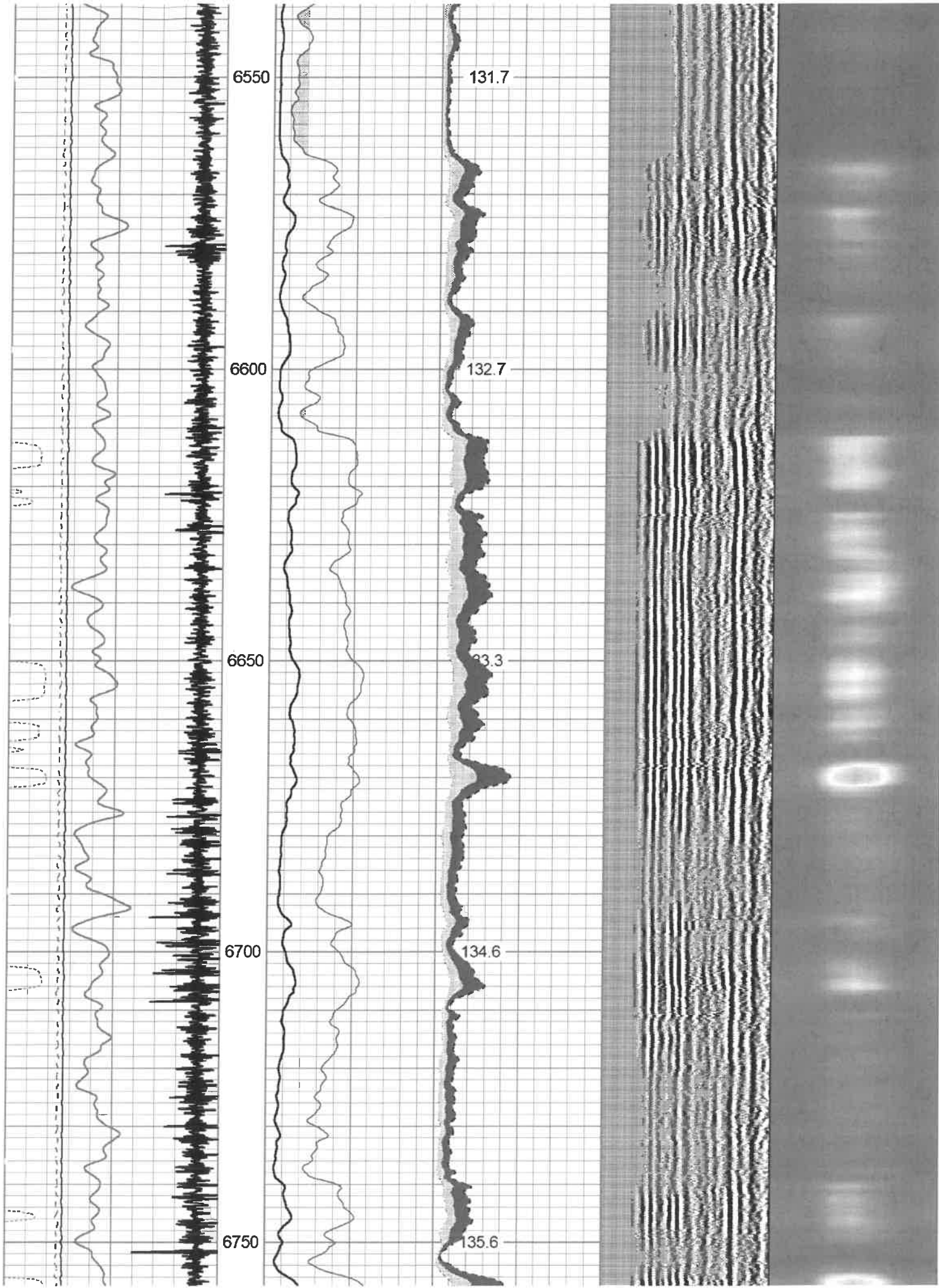
RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection

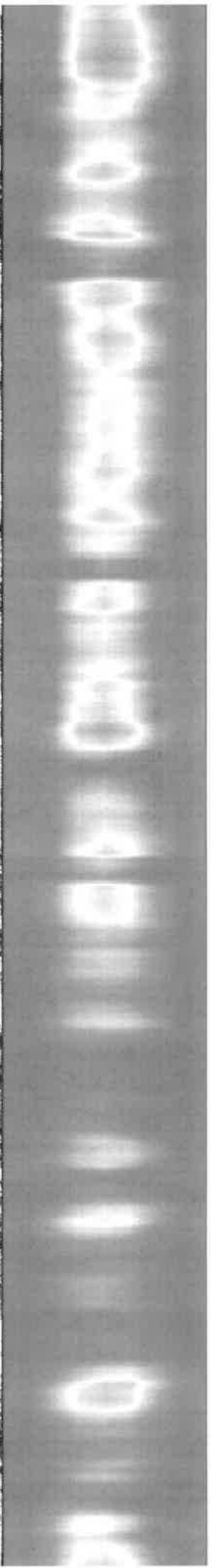
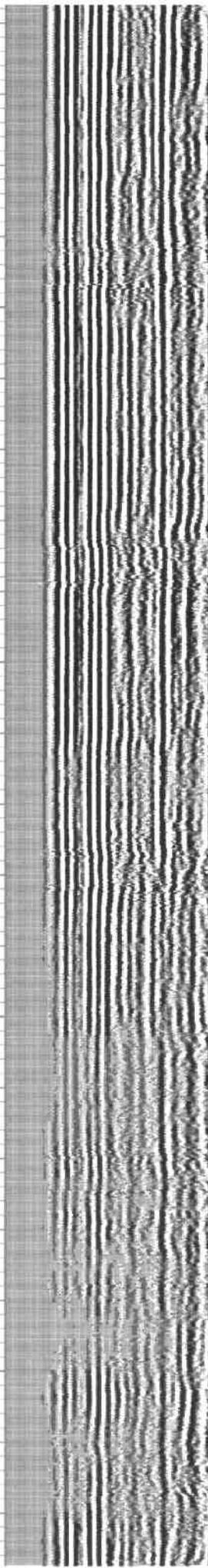
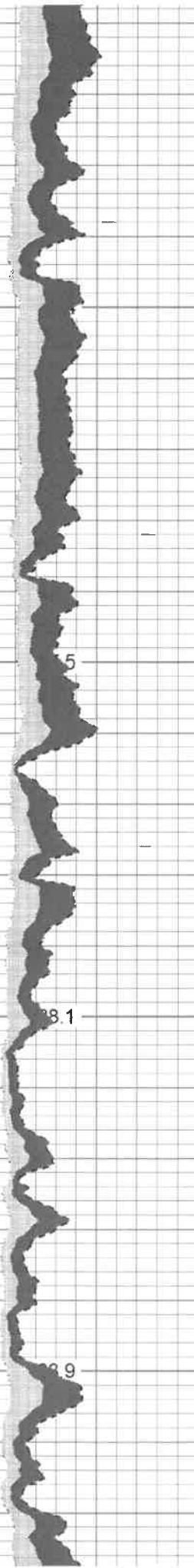
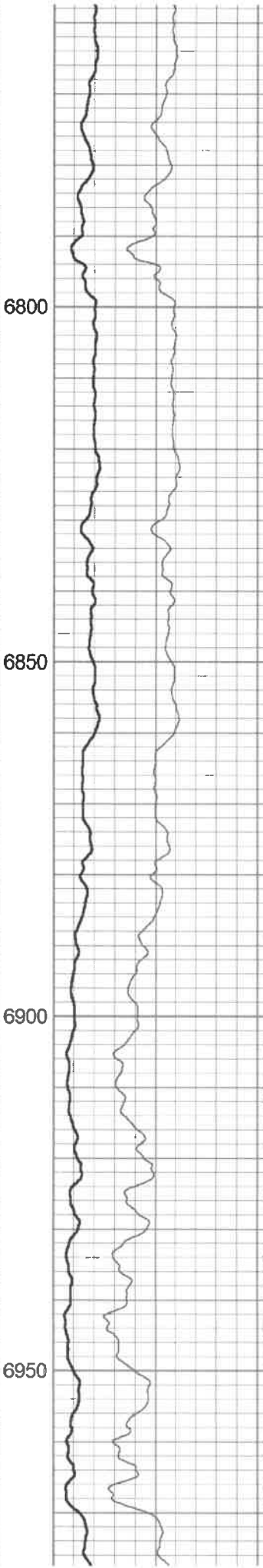
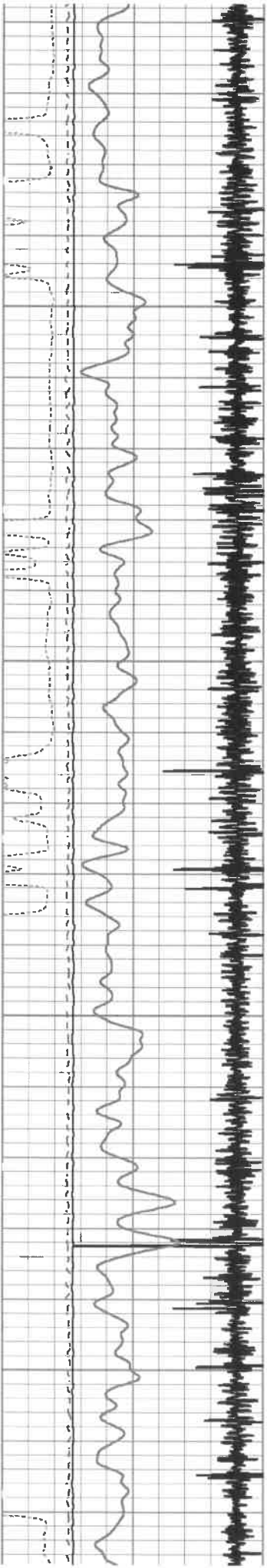


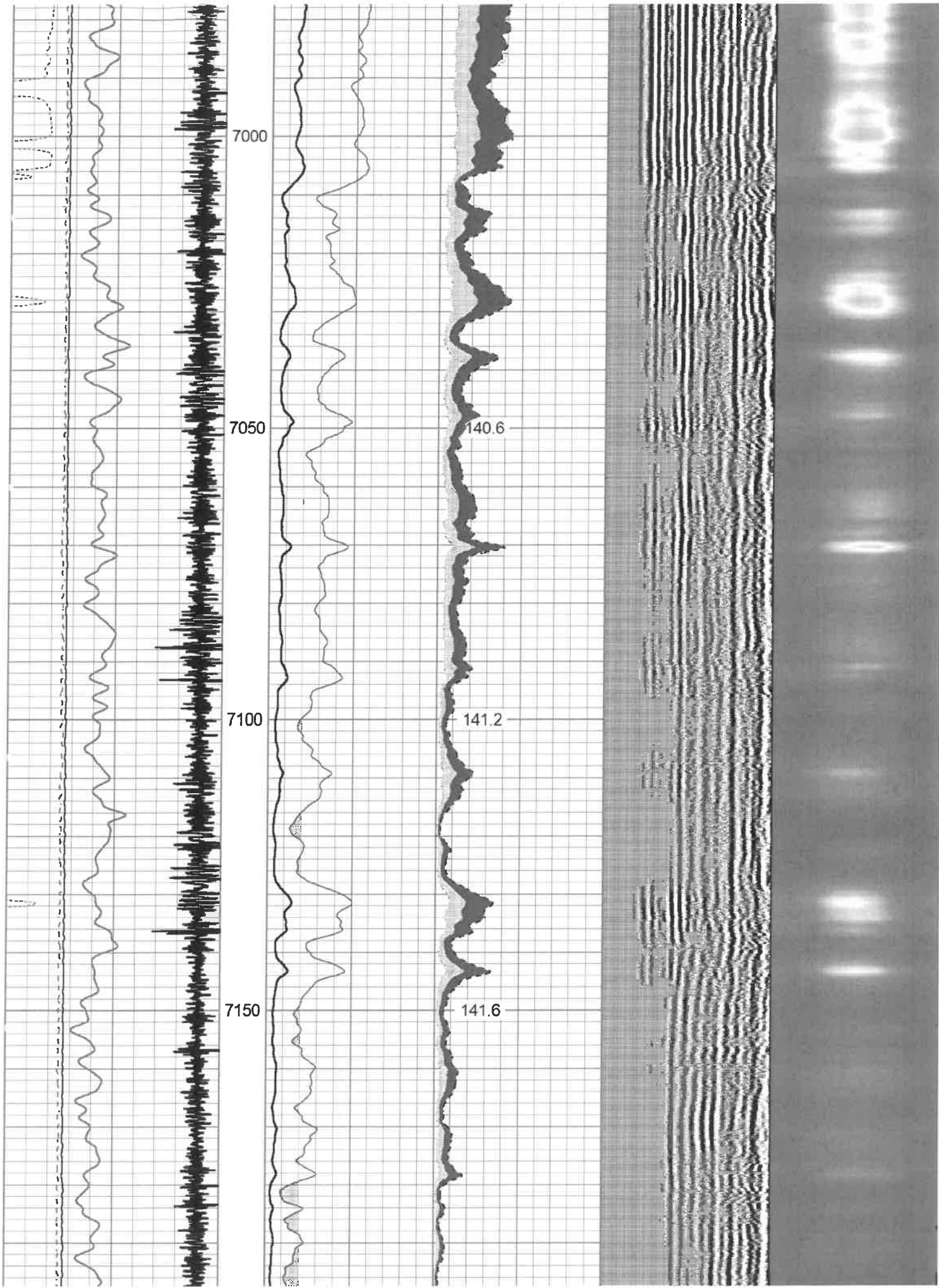


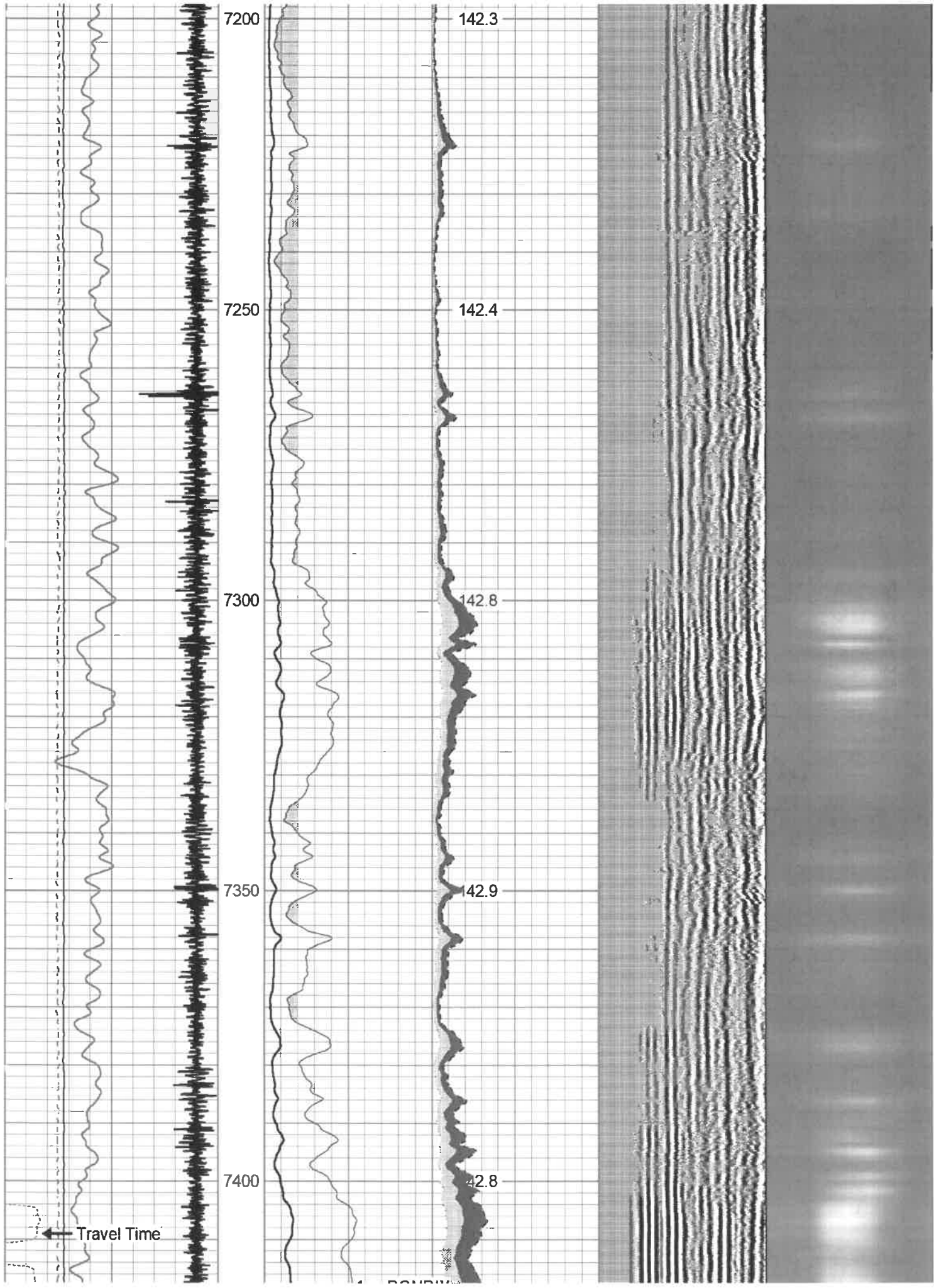
RECEIVED
Office of Oil and Gas
FEB 10 2022
WV Department of
Environmental Protection

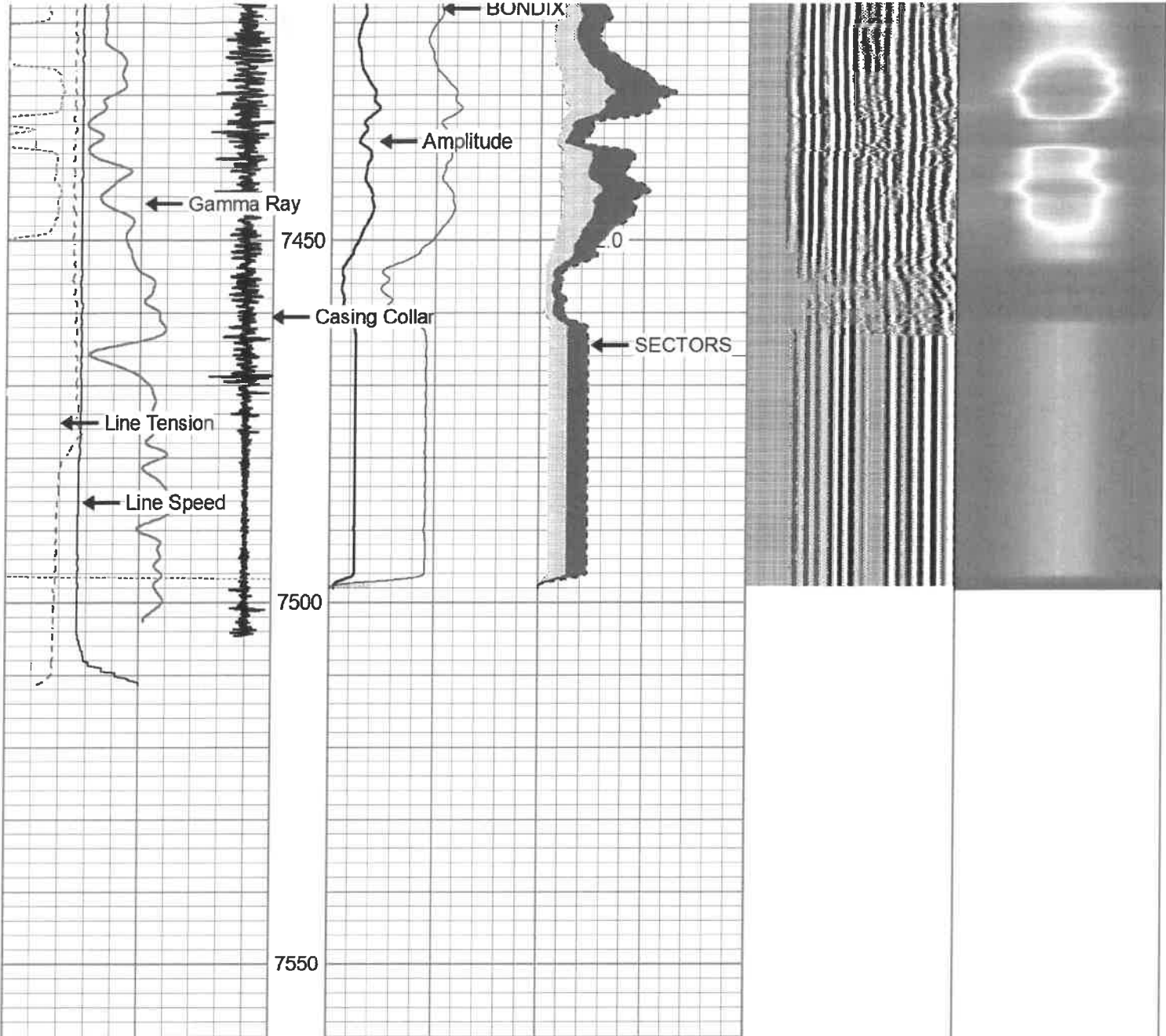












291	Travel Time (usec)	191	0	Amplitude (mV)	100	0	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	0	AMPMAX	150	200 (usec)	1200		
0	Gamma Ray (GAPI)	150	0	AMPAVG	150							
0	Line Tension (lb)	5000	TEMP									
-100	LSPD (ft/min)	100	(degF)									



REPEAT LOG

APPLIED 1500 PSI

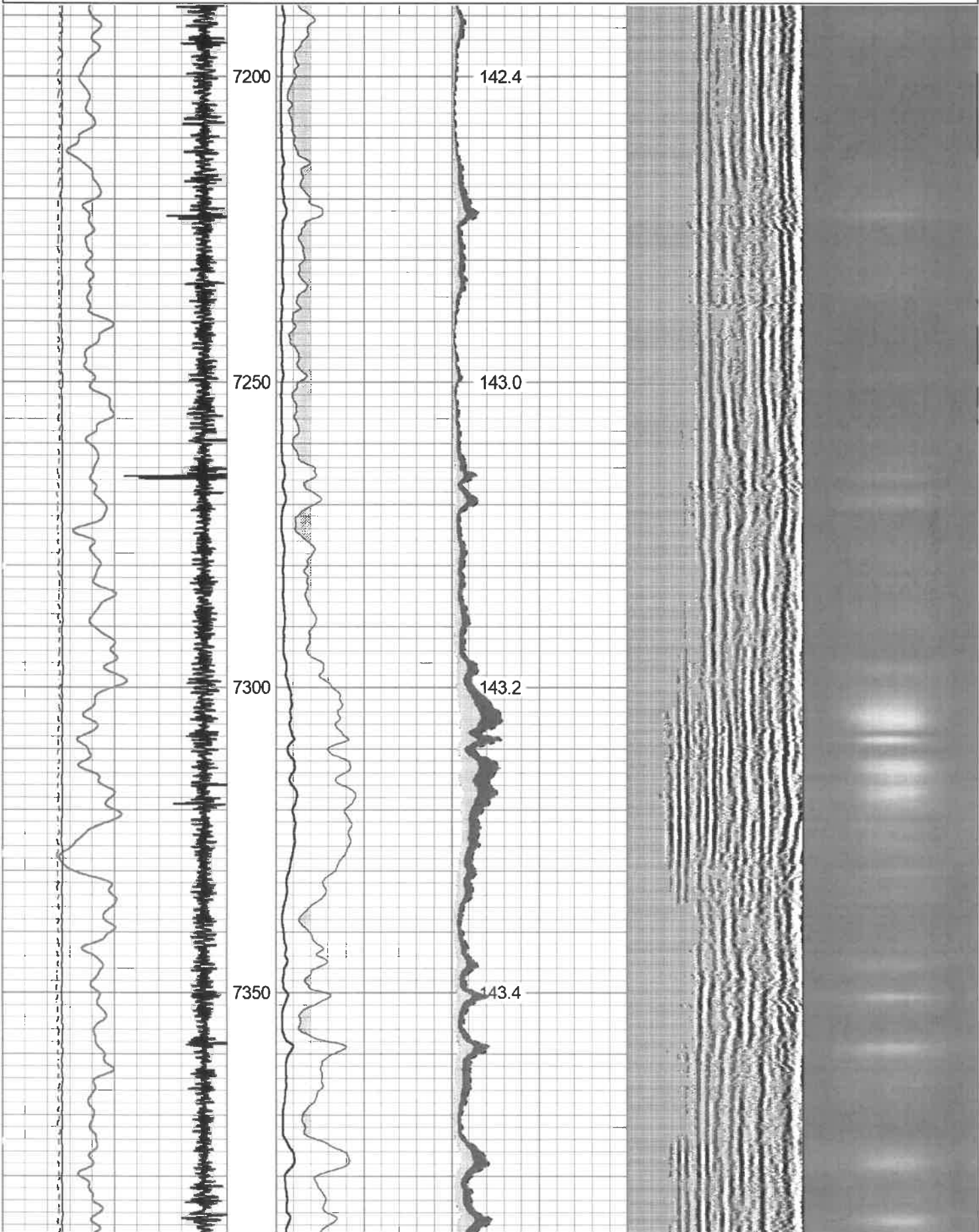
Jay

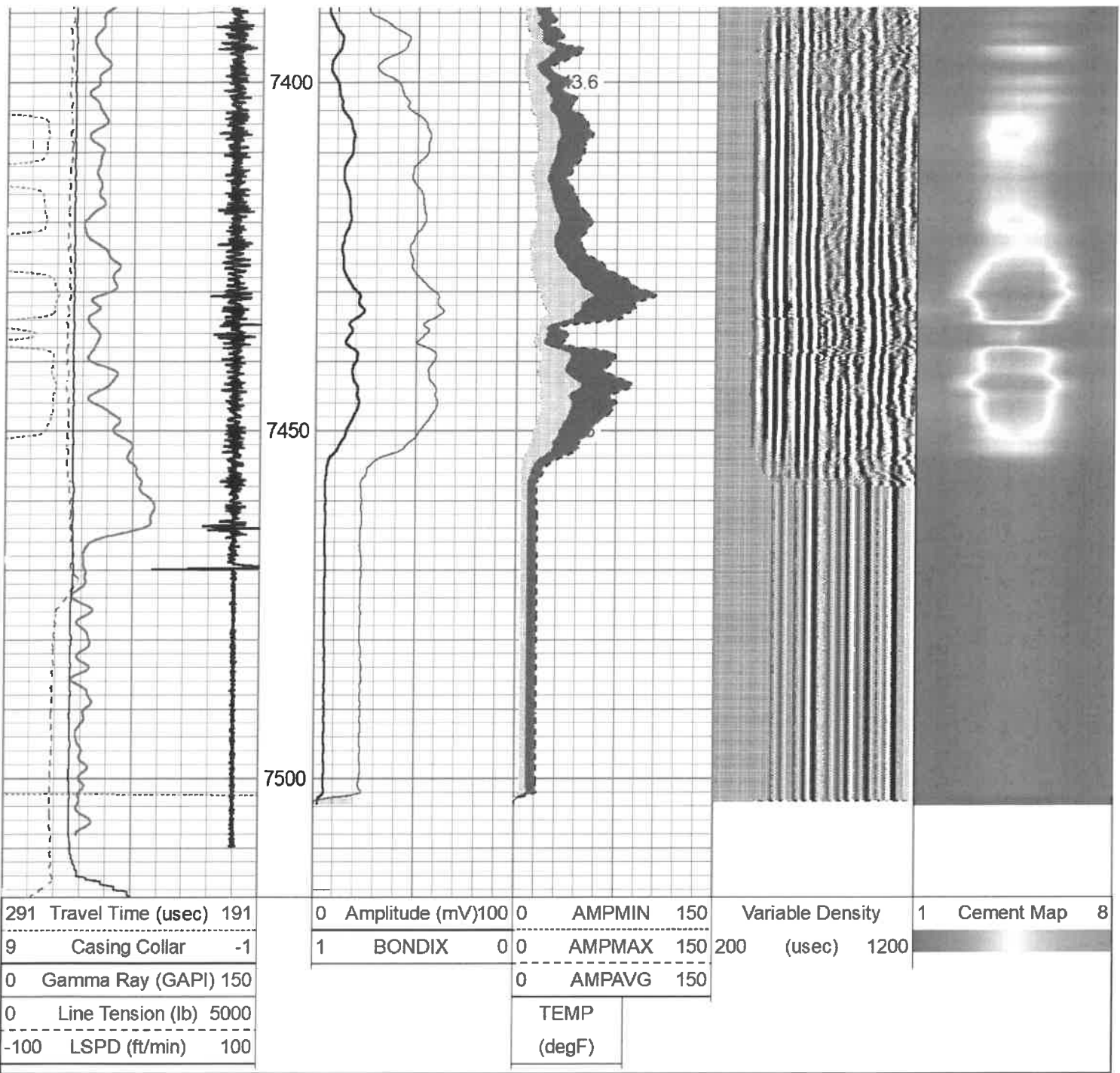
Database File antero_tapeats_2h_may_9_2021_rcbl.db
 Dataset Pathname rcbl/repeat
 Presentation Format scbl03
 Dataset Creation Mon May 10 08:59:20 2021
 Charted by Depth in Feet scaled 1:240

291	Travel Time (usec)	191	0	Amplitude (mV)	100	0	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	0	AMPMAX	150	200 (usec)	1200		

9	Casing Collar	-1
0	Gamma Ray (GAPI) 150	
0	Line Tension (lb) 5000	
-100	LSPD (ft/min)	100

1	BONDIX	0 0	AMPMAX	150	200	(usec)	1200
			AMPAVG	150			
			TEMP				
			(degF)				





291	Travel Time (usec)	191	0	Amplitude (mV)	100	0	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	0	AMPMAX	150	200	(usec)	1200	
0	Gamma Ray (GAPI)	150	0	AMPAVG	150							
0	Line Tension (lb)	5000	TEMP									
-100	LSPD (ft/min)	100	(degF)									

Log Variables Database: C:\ProgramData\Warrior\Data\antero_tapeats_2h_may_9_2021_rcbl.db
 Dataset: field/well/rcbl/main/_vars_

Top - Bottom

BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL
TEMP	in 7.875	degF 100	in 5.5	in 0	lb/ft 20	mV 71.9	mV RECEIVED
MINATTN	PERFS	PPT	SRFTEMP	TDEPTH	Office of Oil and Gas FEB 10 2022 WV Department of Environmental Protection		
db/ft 0.8	No	usec 261	degF 0	ft 0			

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
 BOREID : Borehole I.D.
 BOTTEMP : Bottom Hole Temperature

MINAMPL : Minimum Amplitude
 MINATTN : Minimum Attenuation
 PERFS : Perforation Flag

CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude

PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

Calibration Report

Database File antero_tapeats_2h_may_9_2021_rcbl.db
Dataset Pathname rcbl/main
Dataset Creation Mon May 10 09:30:16 2021

Gamma Ray Calibration Report

Serial Number: FW1211-86
Tool Model: Probe
Performed: Thu Oct 15 06:46:53 2020

Calibrator Value: 1.0 GAPI
Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps
Sensitivity: 0.7000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1312-32
Tool Model: Probe275T

Calibration Casing Diameter: 5.500 in
Calibration Depth: 516.633 ft

Master Calibration, performed Mon May 10 08:15:25 2021:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	1.397	2.200	71.921	49.924	2.171
CAL	0.000	0.756				
5'	0.000	1.229	2.200	71.921	56.745	2.177
SUM						
S1	0.001	2.010	0.000	71.921	35.797	-0.039
S2	0.001	1.704	0.000	71.921	42.224	-0.038
S3	0.000	1.365	0.000	71.921	52.706	-0.017
S4	0.001	1.341	0.000	71.921	53.684	-0.048
S5	0.001	1.301	0.000	71.921	55.300	-0.045
S6	0.000	1.242	0.000	71.921	57.936	-0.016
S7	0.001	1.433	0.000	71.921	50.210	-0.029
S8	0.001	1.977	0.000	71.921	36.400	-0.038

Internal Reference Calibration, performed Sat Apr 04 17:44:51 2020:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.756	1.000	0.000

Air Zero Calibration, performed Mon May 10 07:45:25 2021:

	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



Company ANTERO RESOURCES
Well TAPEATS 2H
Field RABBIT EARS
County TYLER
State WV

RECEIVED
 Office of Oil and Gas

FEB 10 2022

WV Department of
 Environmental Protection

JM