



CEMENT BOND LOG  
GAMMA RAY CCL CBL TOOL  
FINAL PRINT

Company	BILL BARRETT CORP	Company	BILL BARRETT CORP
Well	ANSCHUTZ STATE 5-62-22-3225B2	Well	ANSCHUTZ STATE 5-62-22-3225B2
Field	WATTENBERG	Field	WATTENBERG
County	WELD	County	WELD
State	COLORADO	State	COLORADO
Location:		API # : 05-123-41753	Other Services
SEC 22 TWP 05N RGE 62W		2045" FNL & 350' FWL	
Permanent Datum	GROUND LEVEL	Elevation	
Log Measured From	R.K.B. 16'		
Drilling Measured From	RIG KELLY BUSHING		

Date	12-11-2015			
Run Number	ONE			
Depth Driller	16,371			
Depth Logger	6050			
Bottom Logged Interval	6050			
Top Log Interval	SURFACE			
Open Hole Size	8-3/4"			
Type Fluid	H2O			
Density / Viscosity				
Max. Recorded Temp.				
Estimated Cement Top				
Time Well Ready	11:45AM			
Time Logger on Bottom	12:2PM			
Equipment Number	D7 PROB3			
Location	MEAD CO.			
Recorded By	D. SEIP			
Witnessed By	Mt. Bruce Kelsch			
Borehole Record				
Run Number	Bit	From	To	Size
				Weight
				From
				To
Tubing Record				
Casing Record	Size	Weight	Top	Bottom
Surface String	7"	25#	surface	
Prot. String				
Production String				
Liner				

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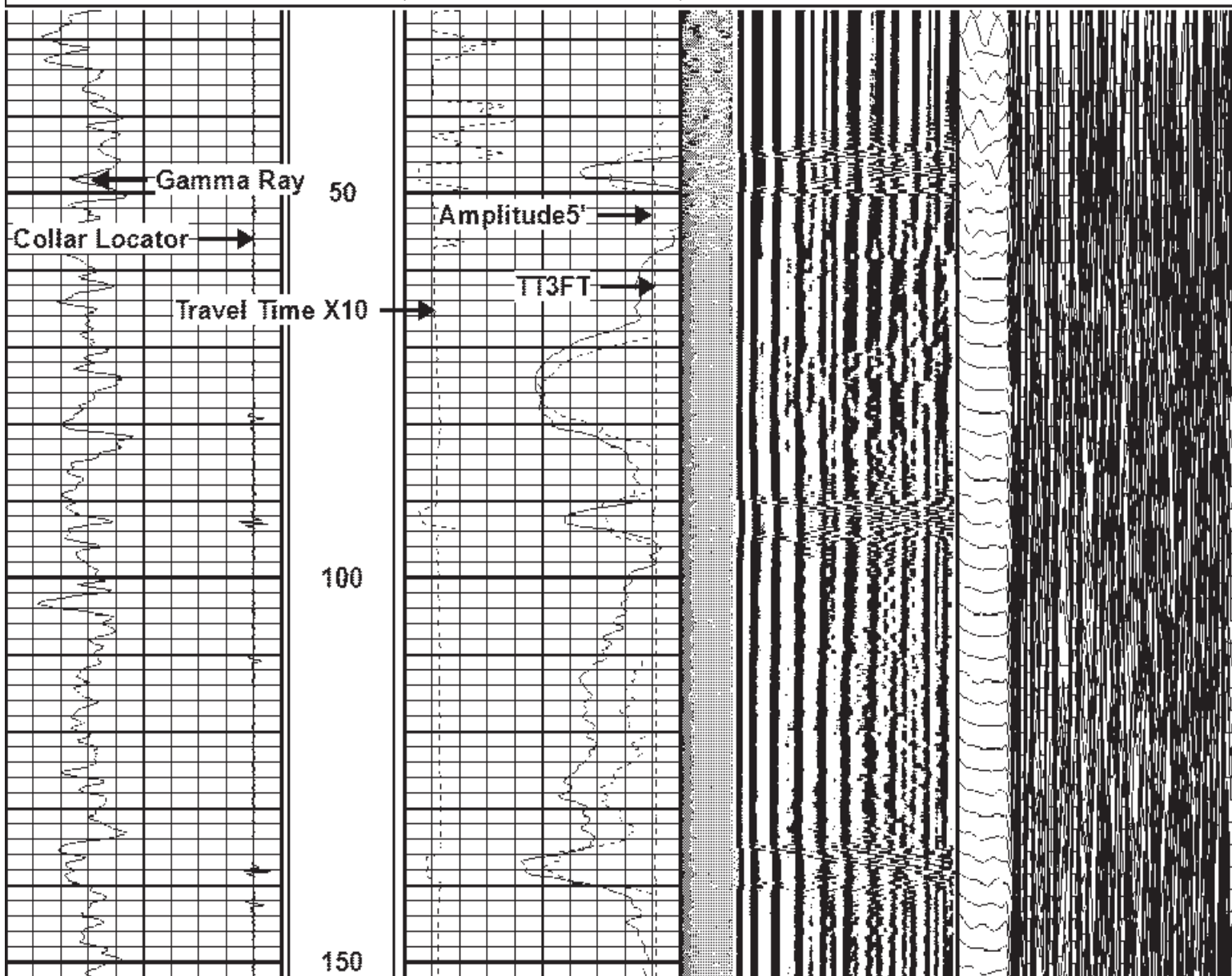
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

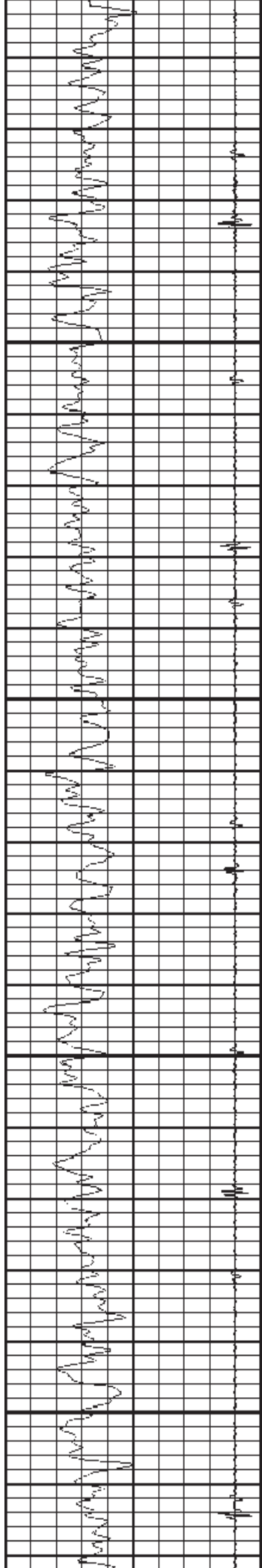
Comments
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Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D (in)	Weight (lb)
			CENT-Probe169 Probe Long 1 11/16" Centralizer	3.30	1.69	5.00
CCL	12.90					
GR	9.50		CBL_PR635-Probe169 (PRO1) Probe 1 11/16" Dual Receiver / Gamma Ray / CCL	11.33	1.69	55.00
WVF3FT	7.72					
WVF5FT	6.72					
WVFSYNC	3.30		CENT-Probe169 Probe Long 1 11/16" Centralizer	3.30	1.69	5.00

Database File 3225b2.db  
 Dataset Pathname pass1  
 Presentation Format cbl7inplo  
 Dataset Creation Fri Dec 11 12:07:48 2015  
 Charted by Depth in Feet scaled 1:240

9	Collar Locator	-1		Amplitude X5	200	VDL	1200	200	WVF5FT	1200
0	Gamma Ray	150		0 (mV) 16						
				Amplitude 3'						
				0 (mV) 80						
				TT3FT						
				1200 (usec) 200						
				Travel Time X10						
				300 (usec) 200						
				Amplitude5'						
				0 (mV) 80						



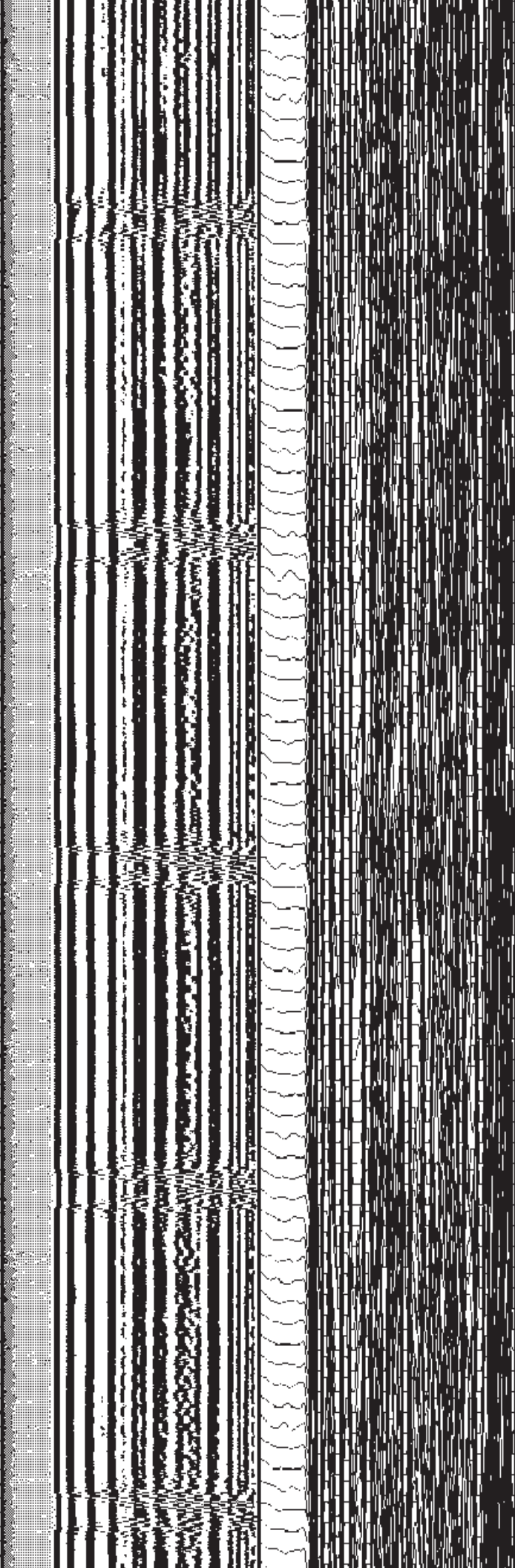
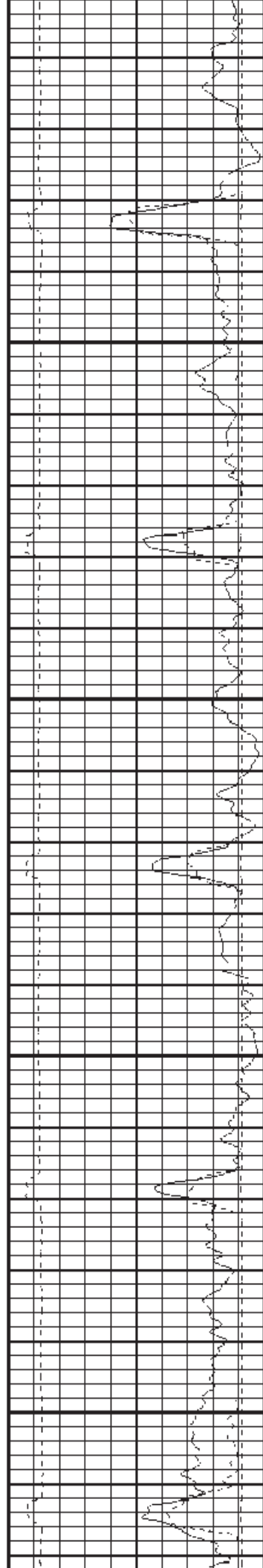


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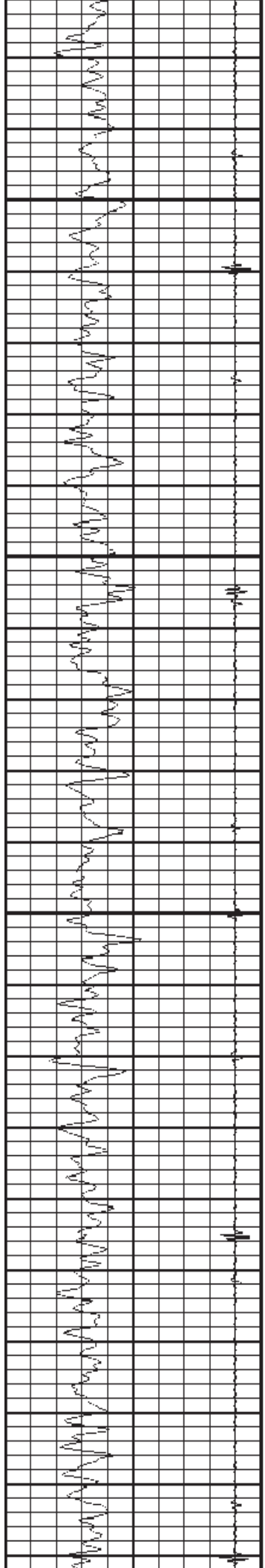
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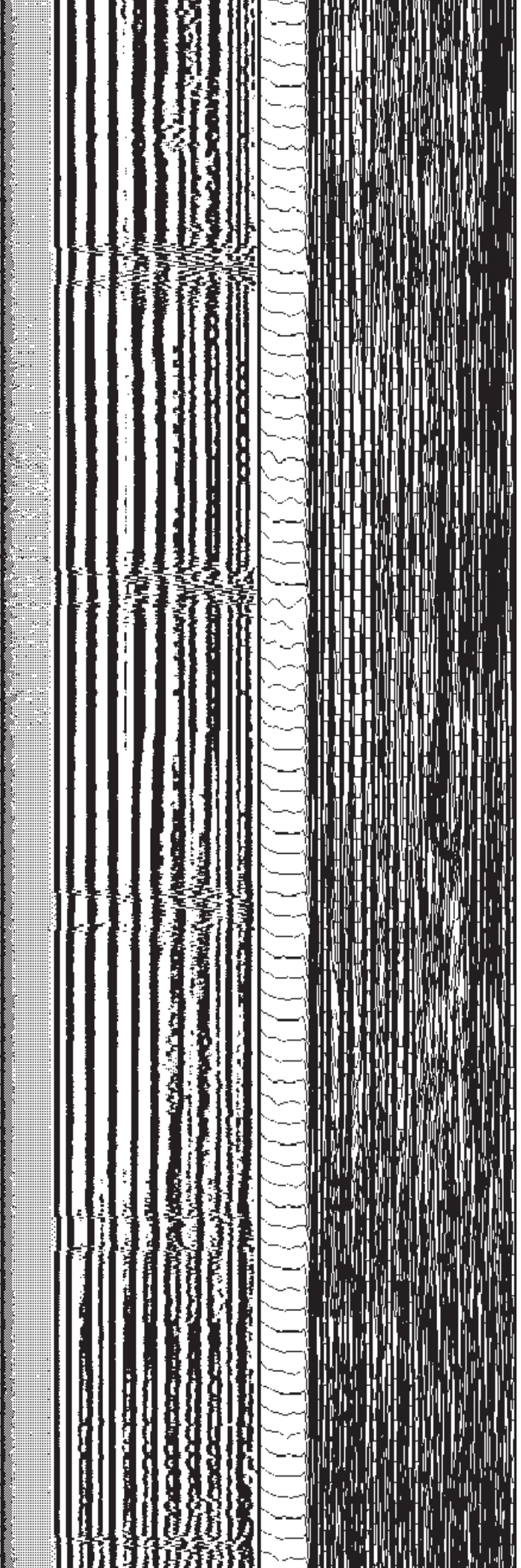
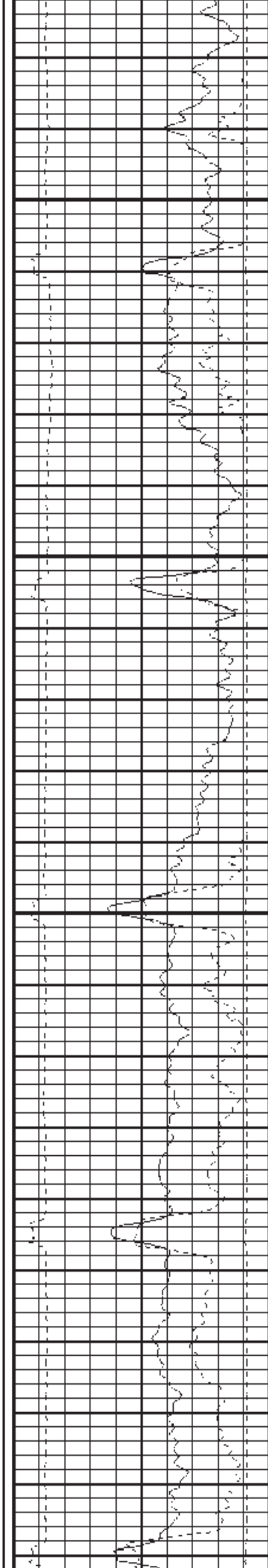


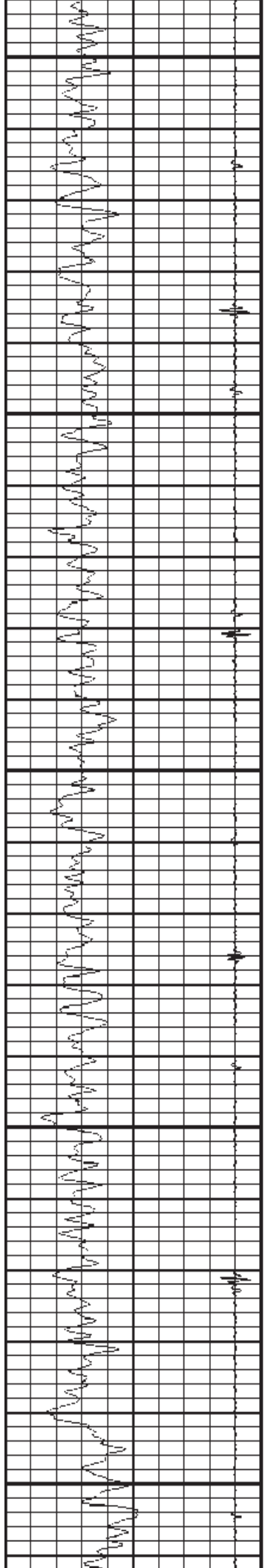
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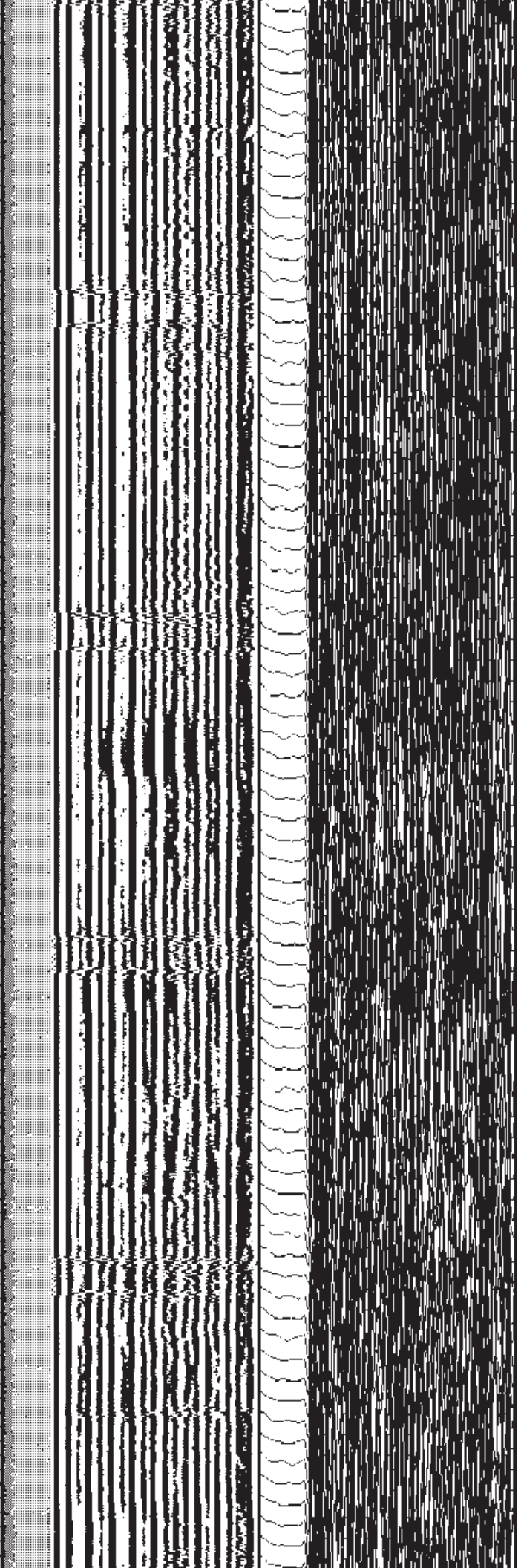
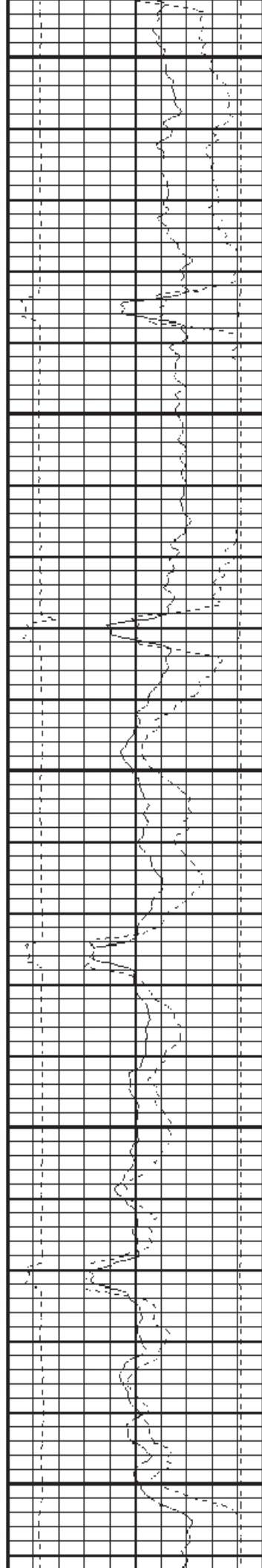
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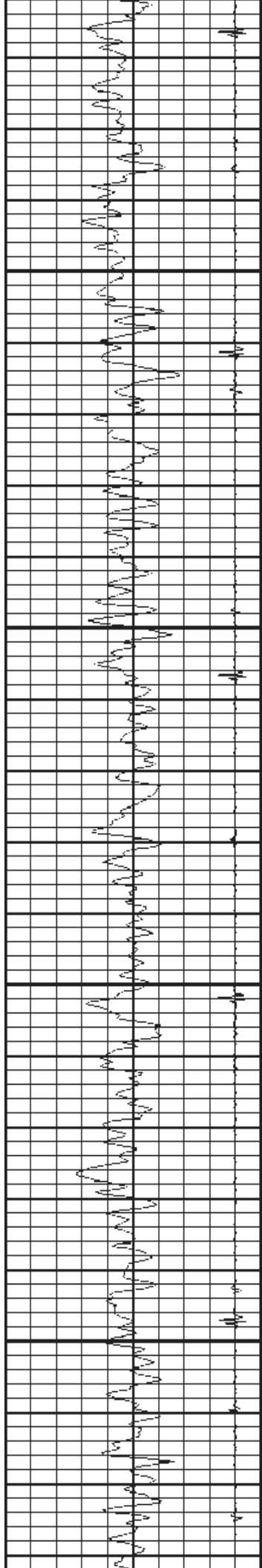
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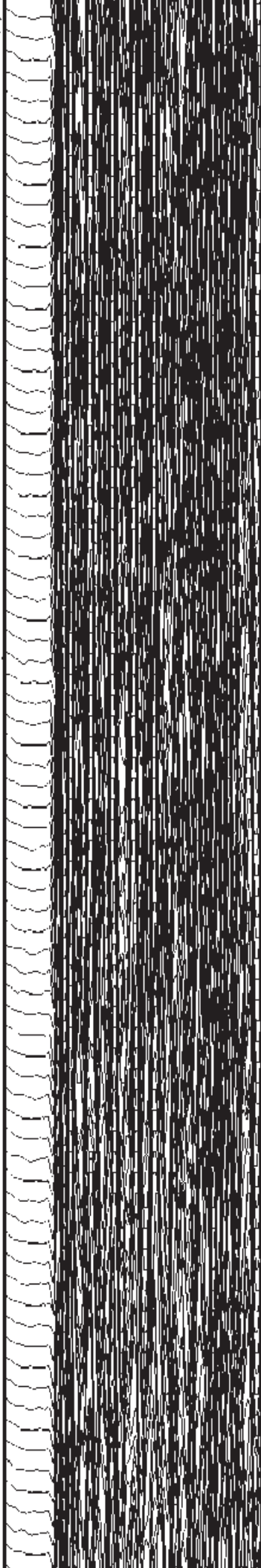
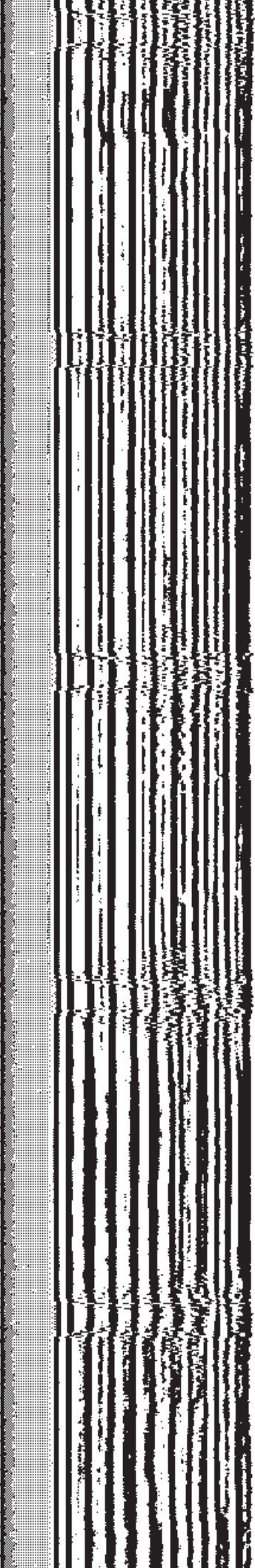
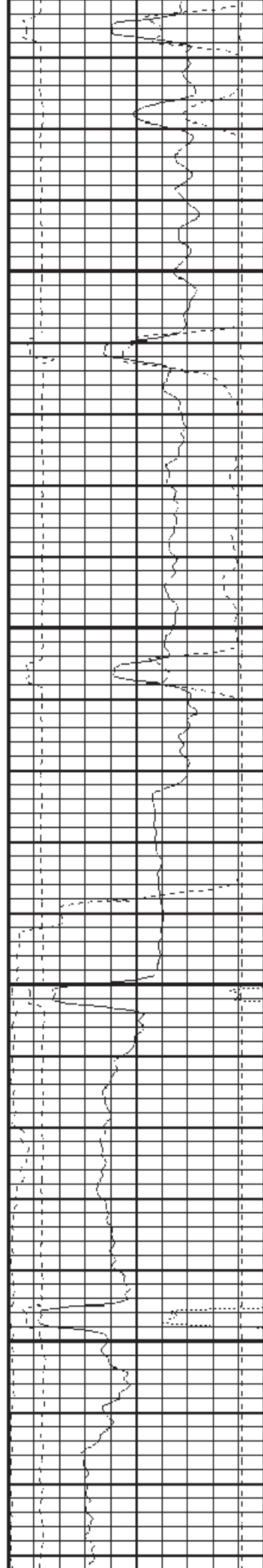


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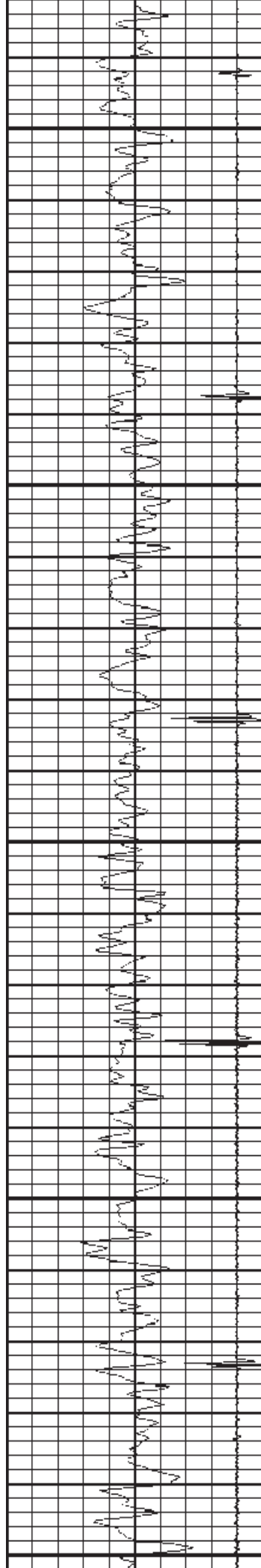
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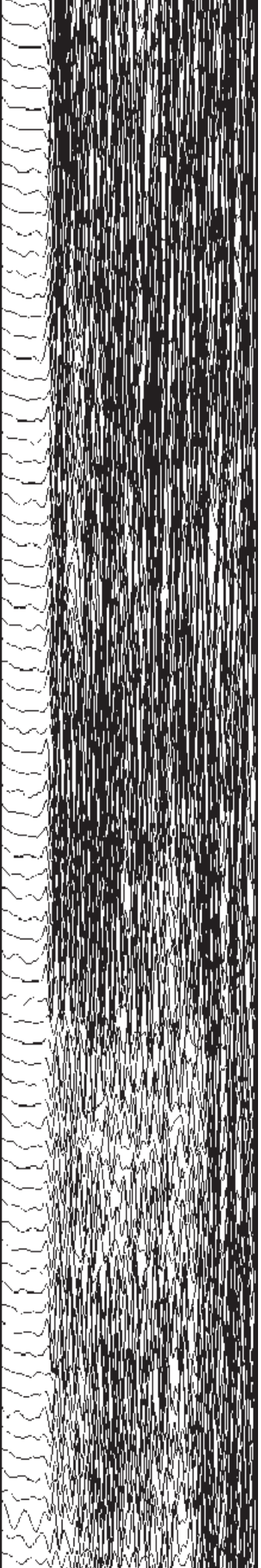
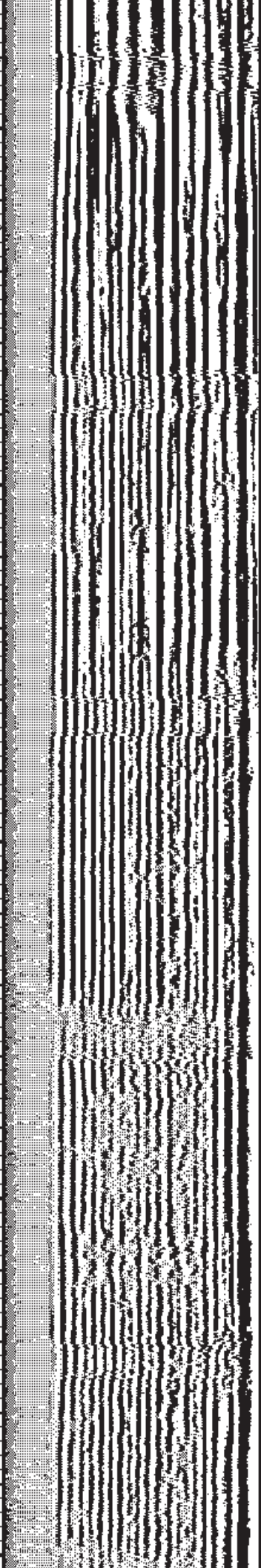
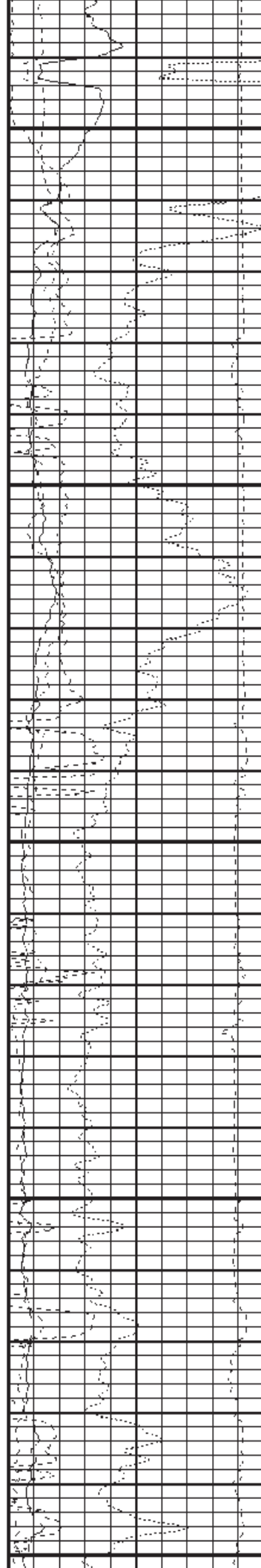
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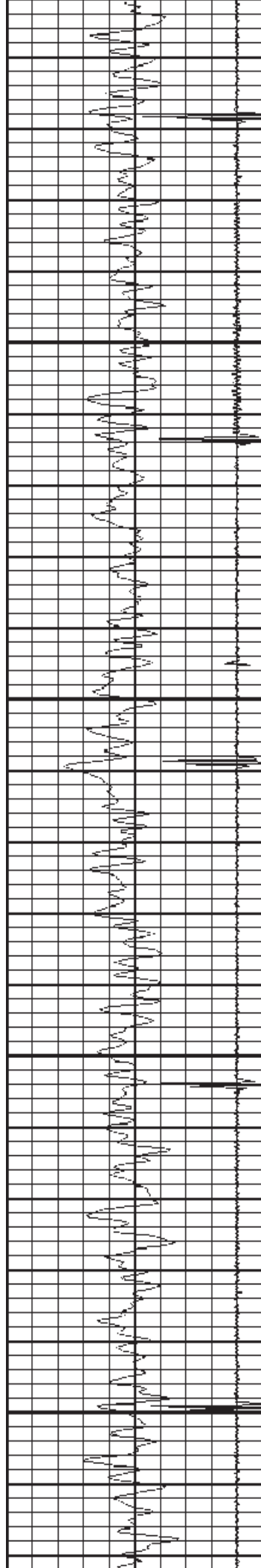
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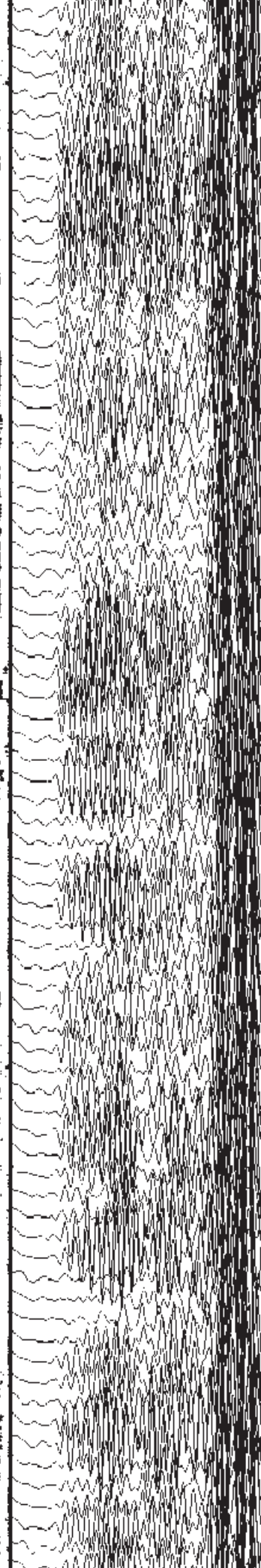
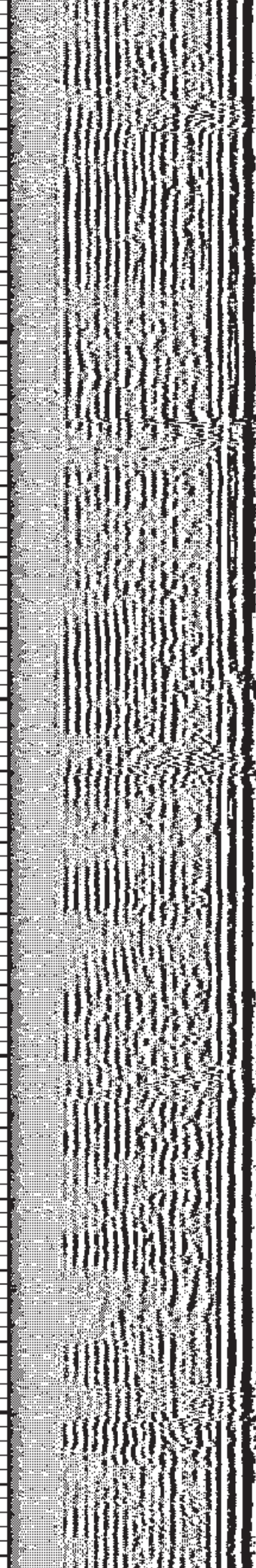
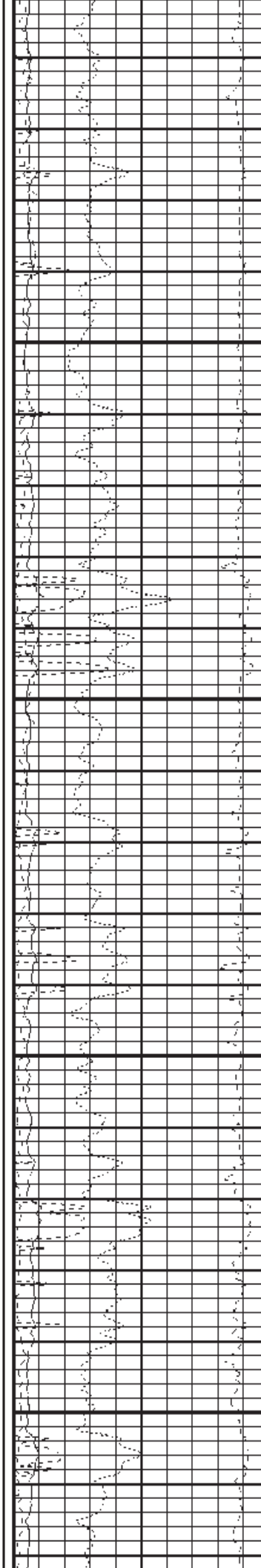


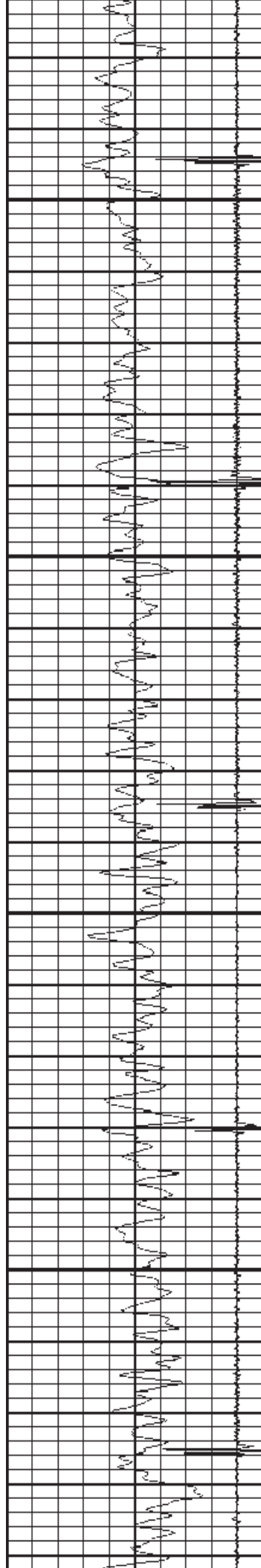
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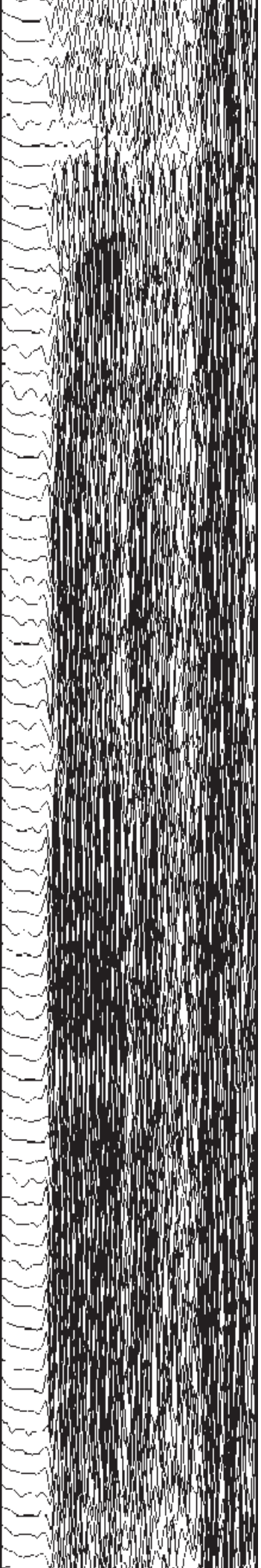
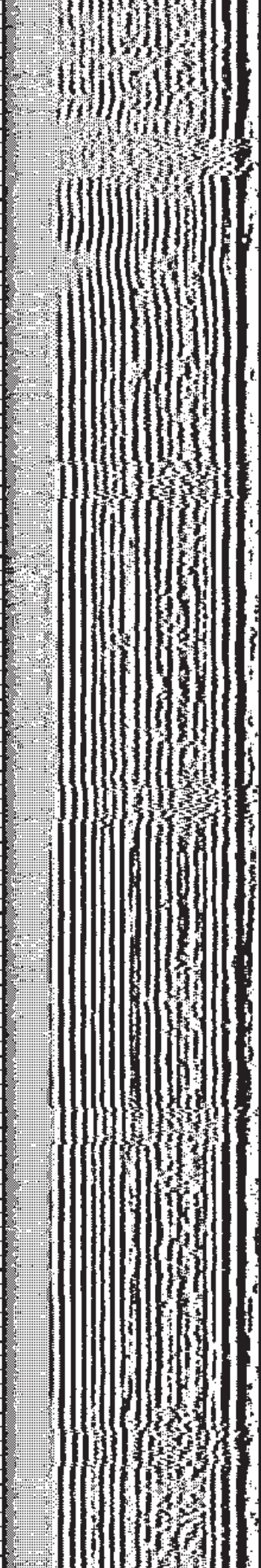
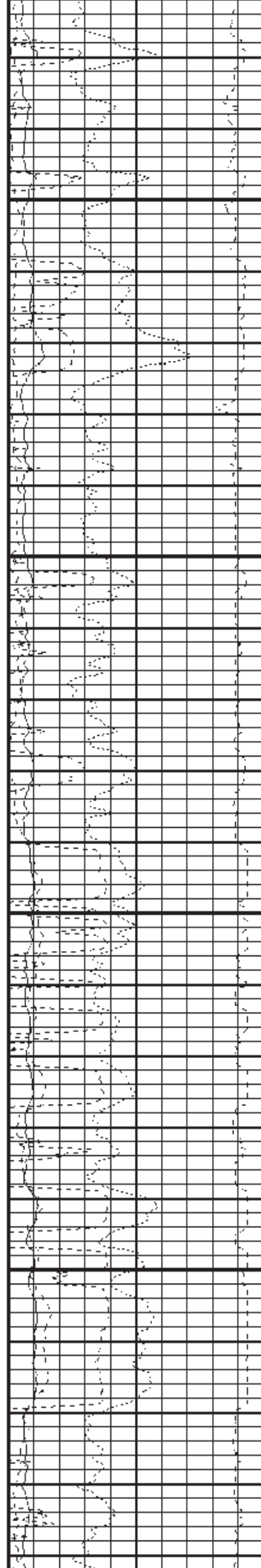


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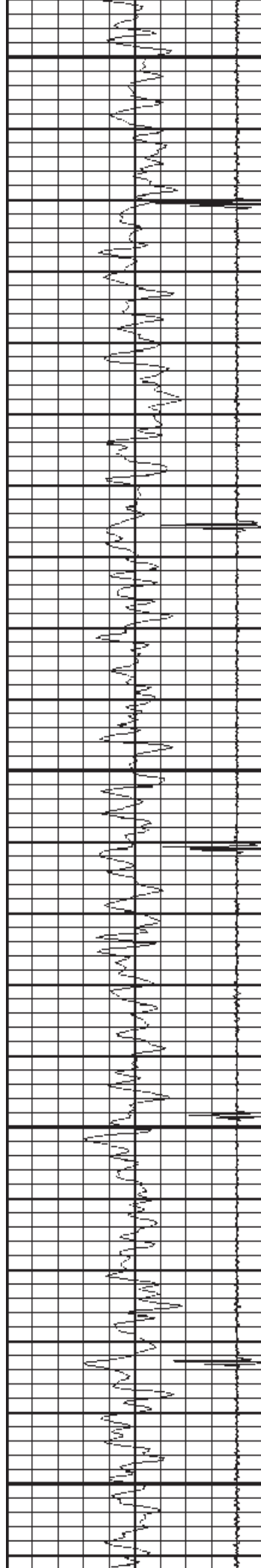
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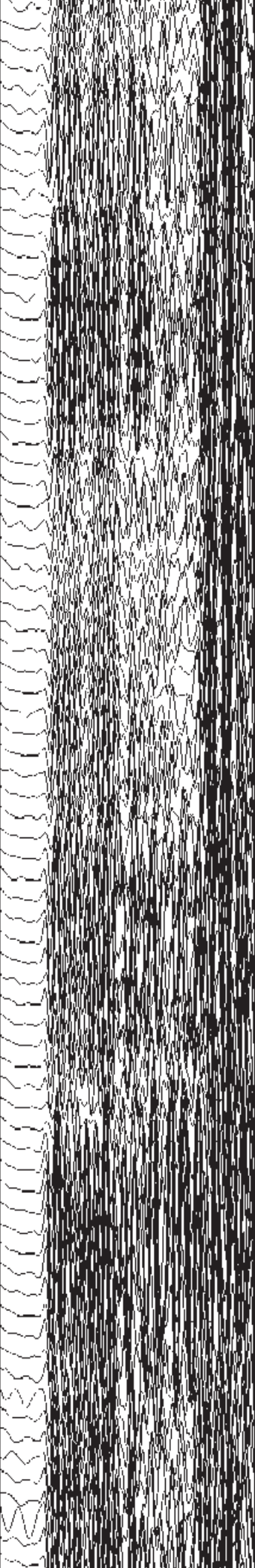
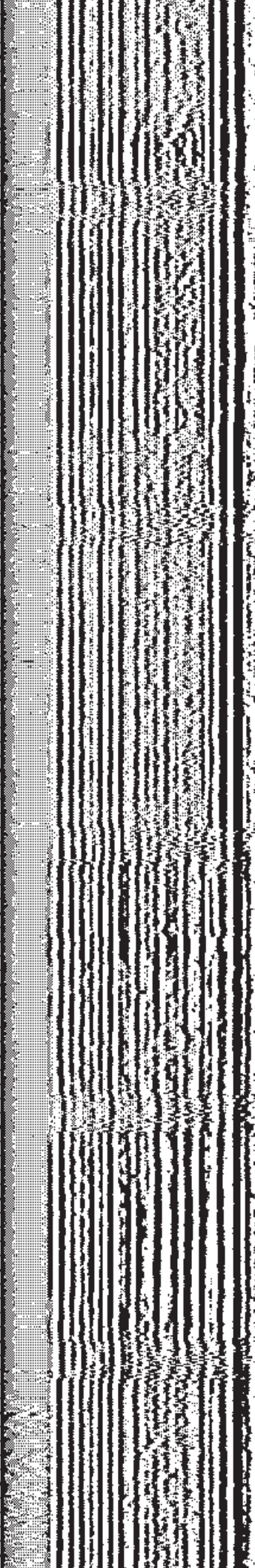
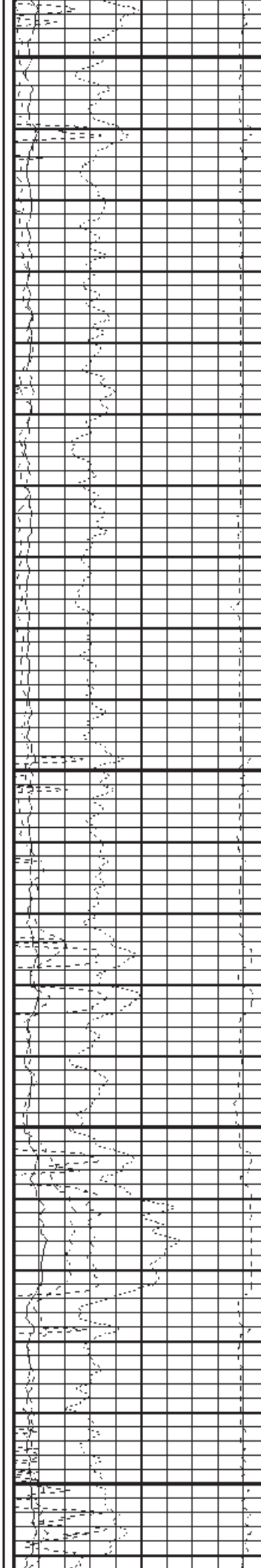
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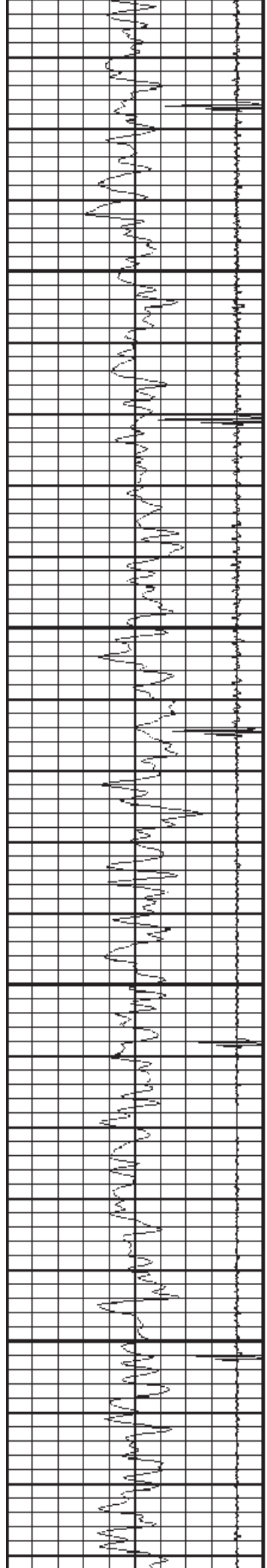
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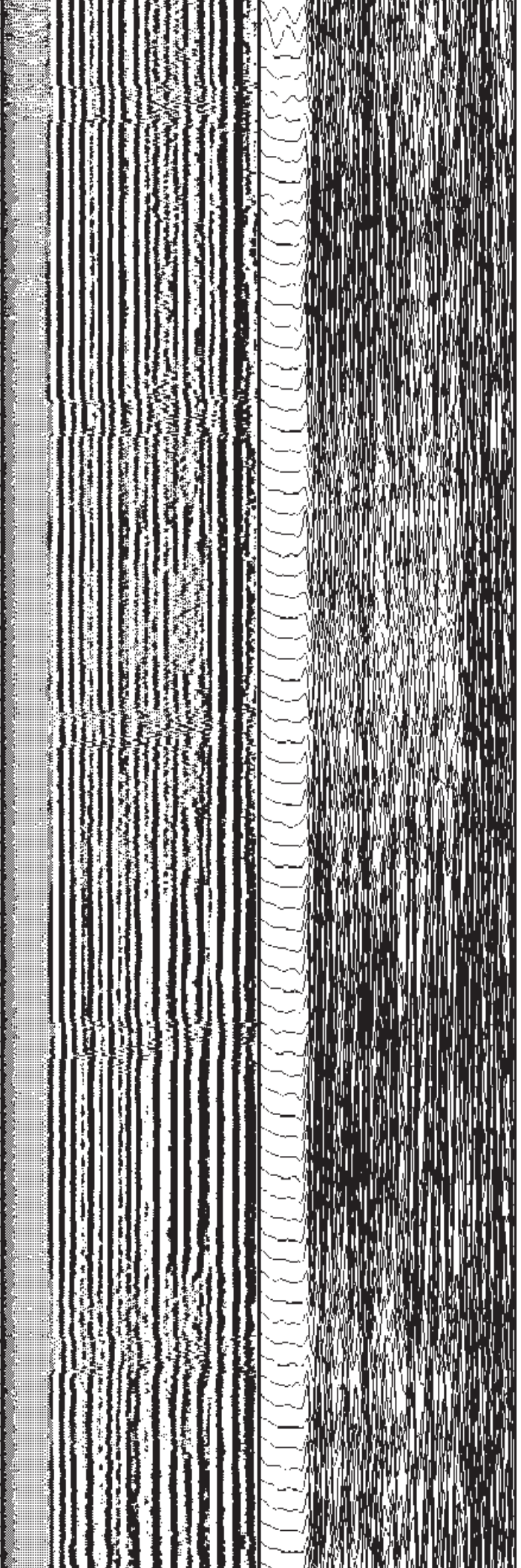
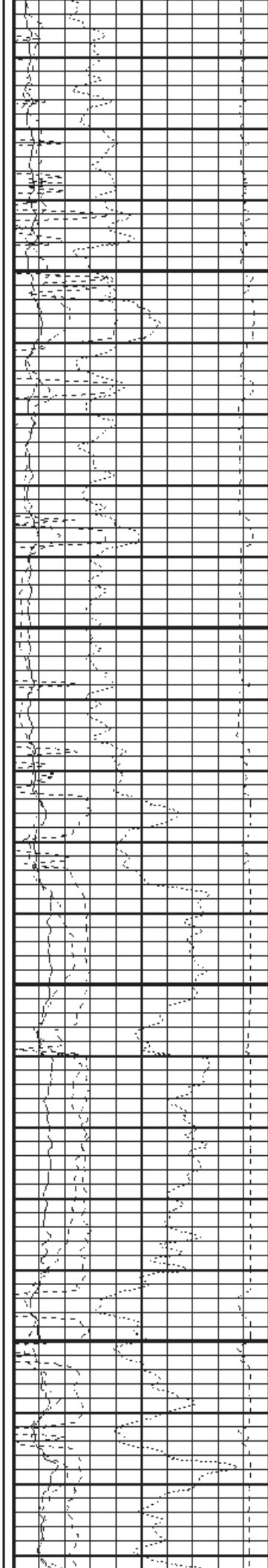


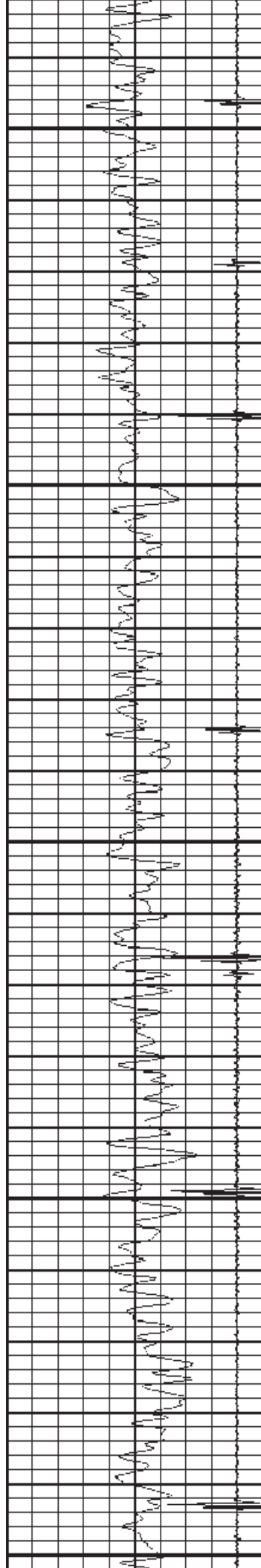
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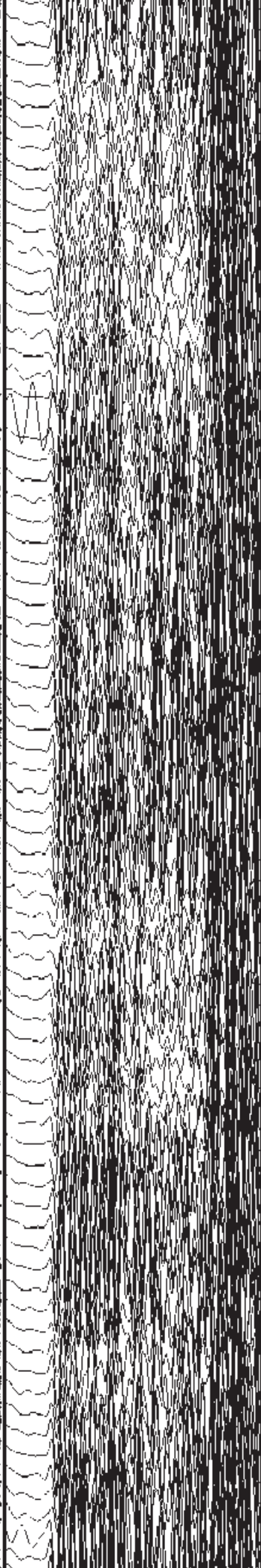
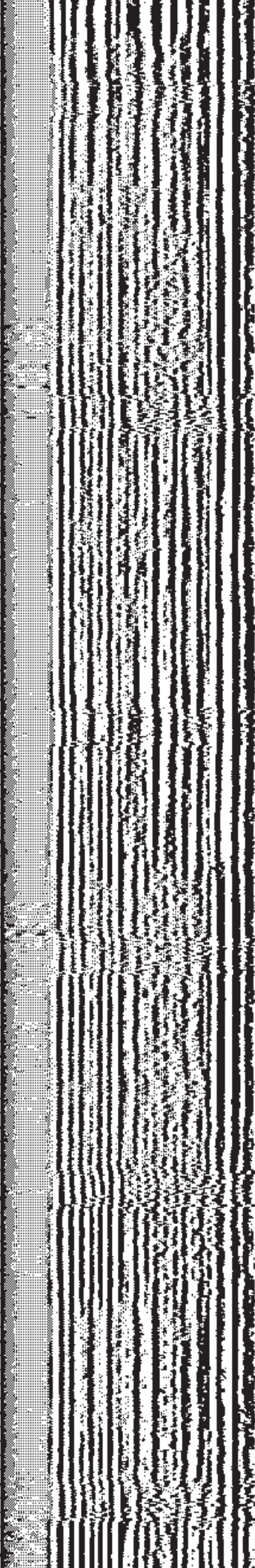
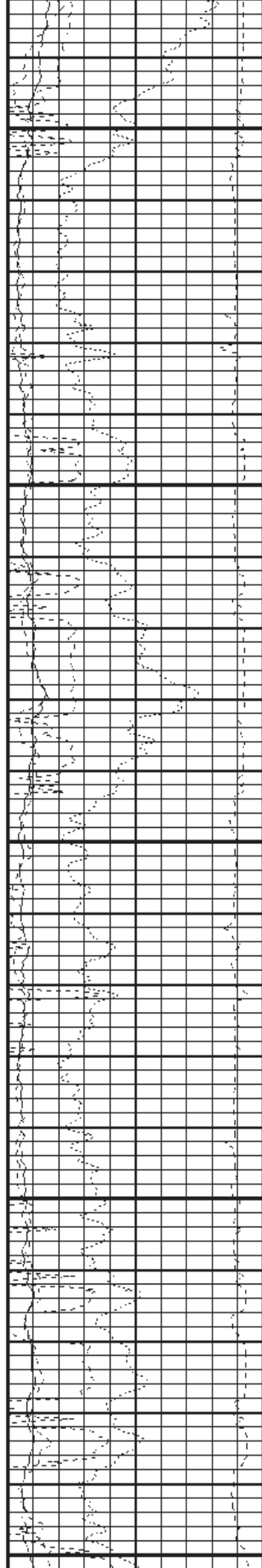
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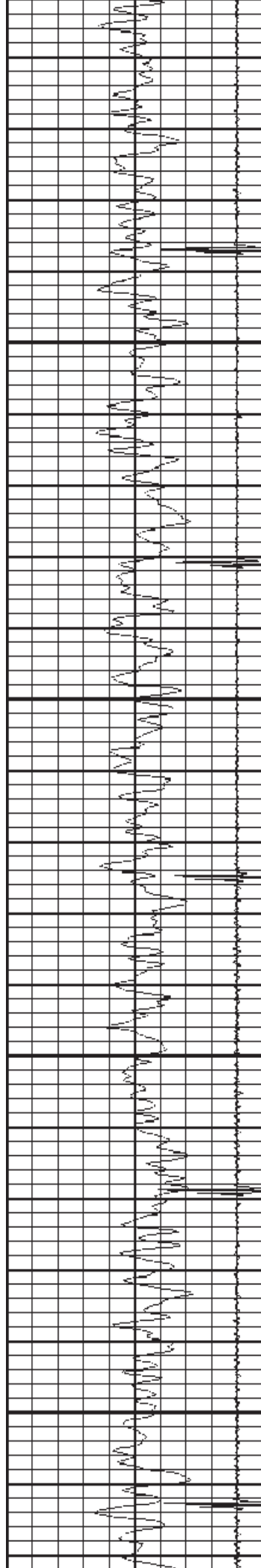
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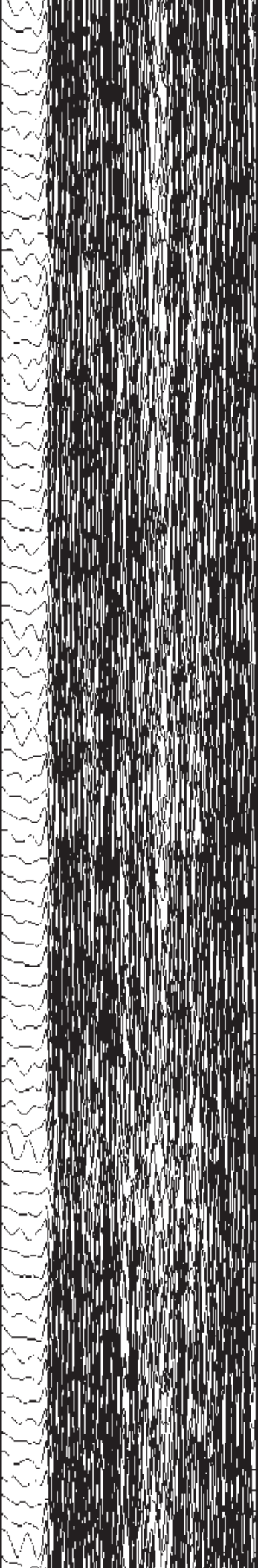
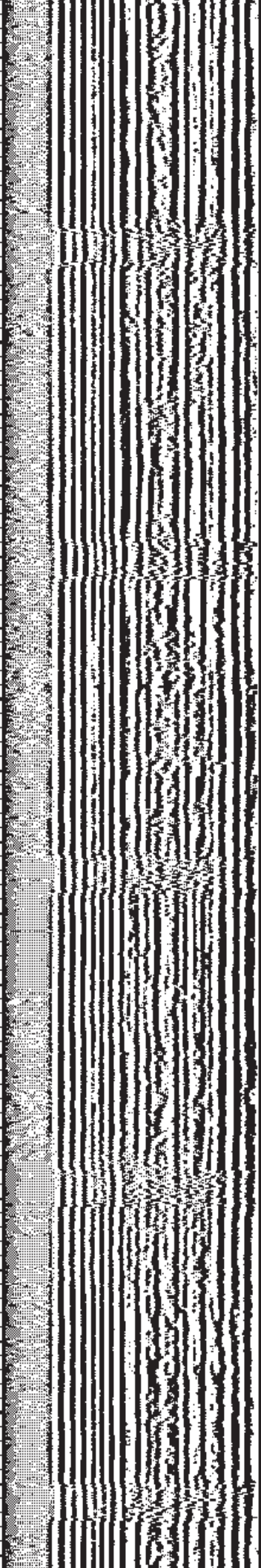
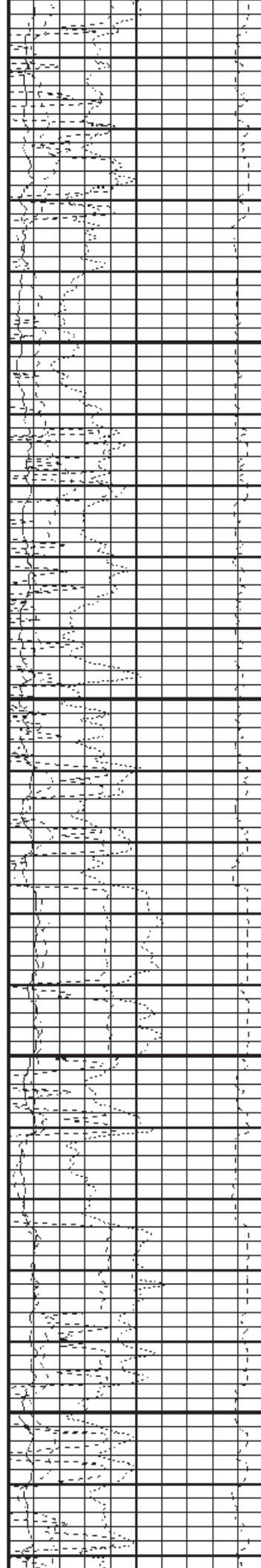


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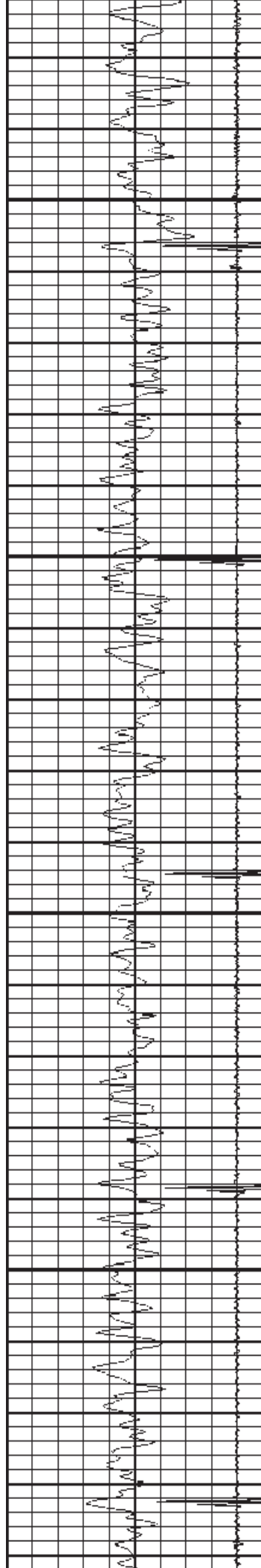
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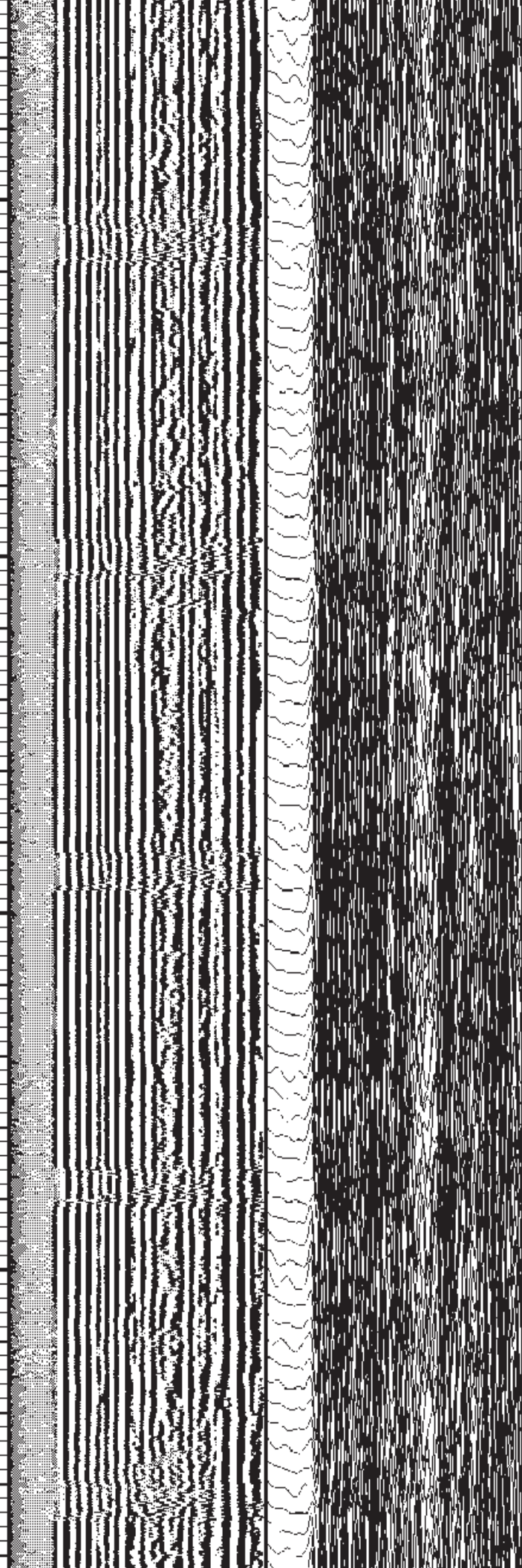
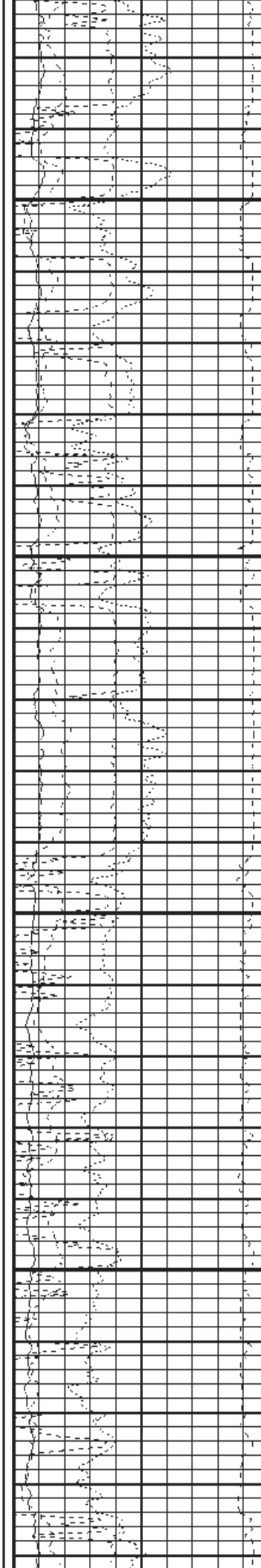


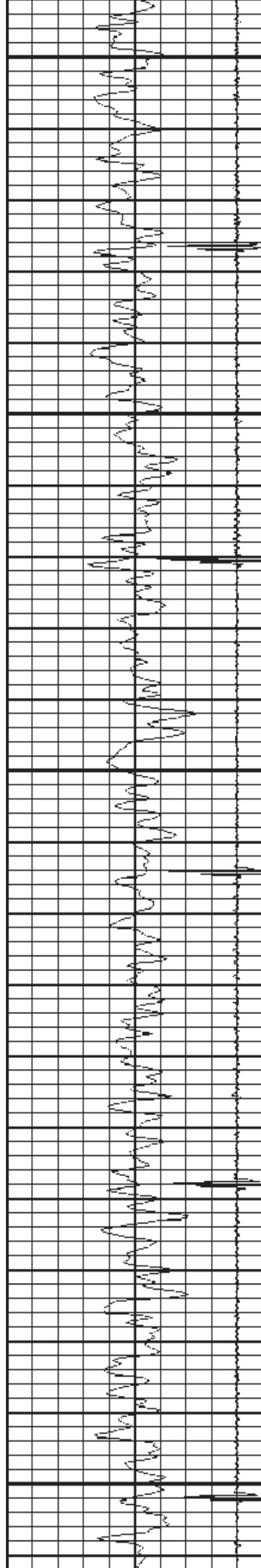
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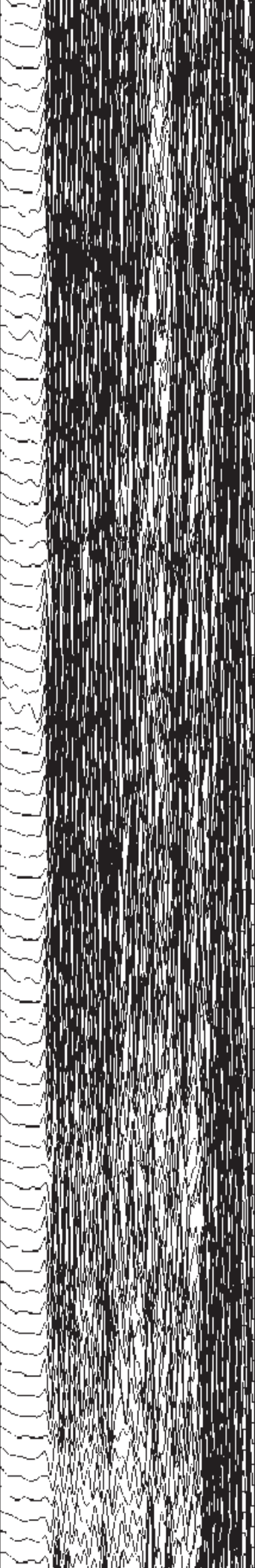
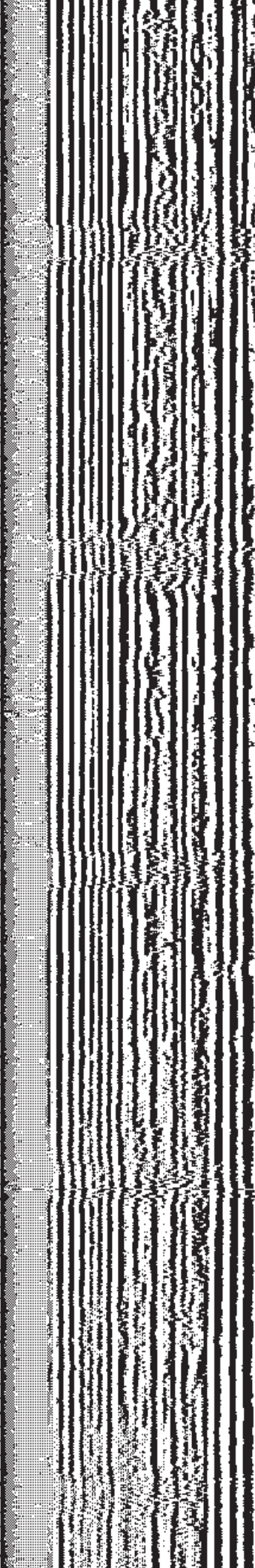
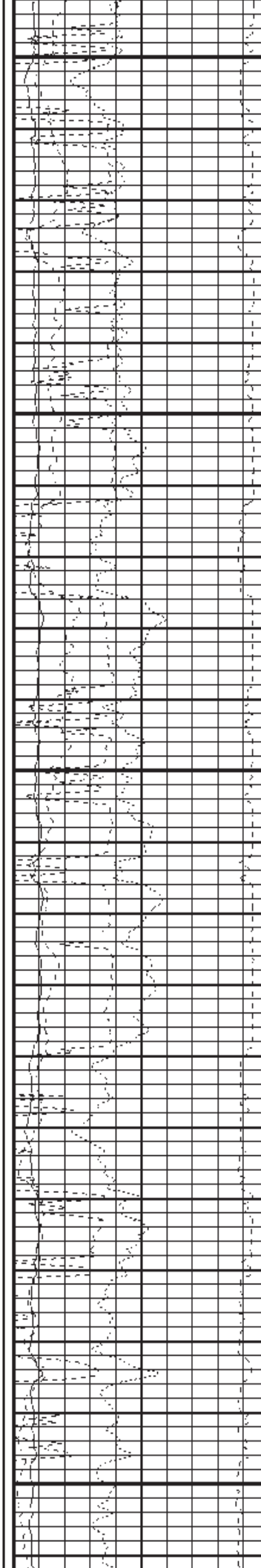
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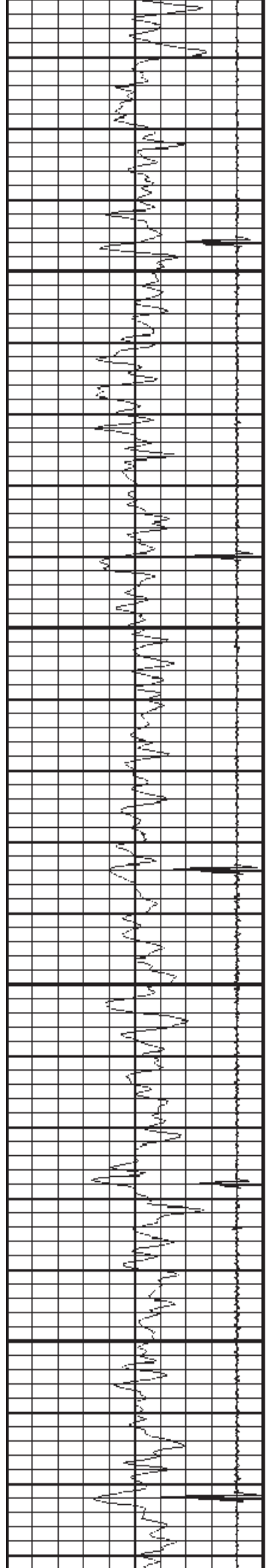
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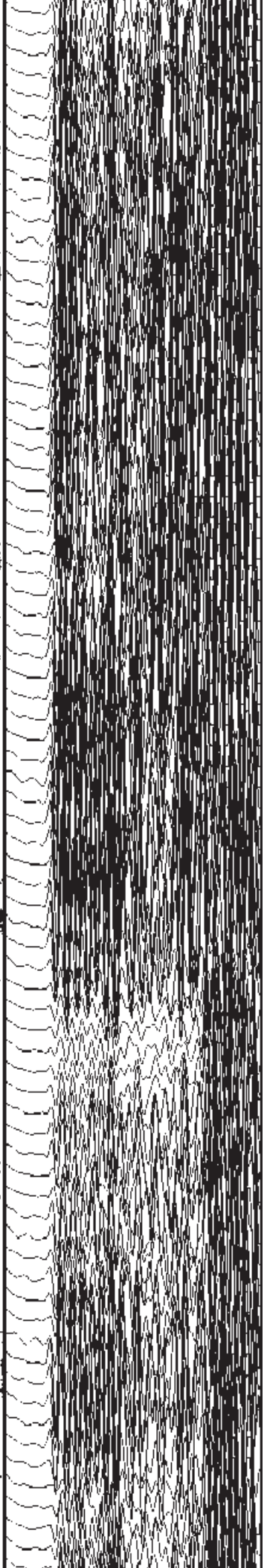
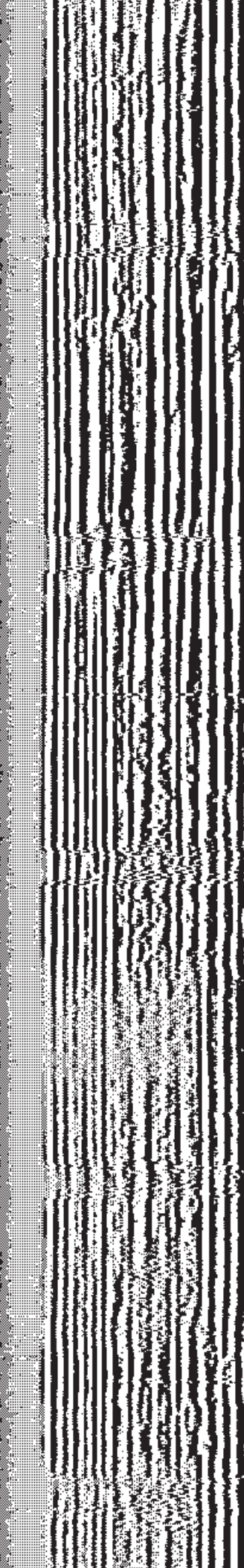
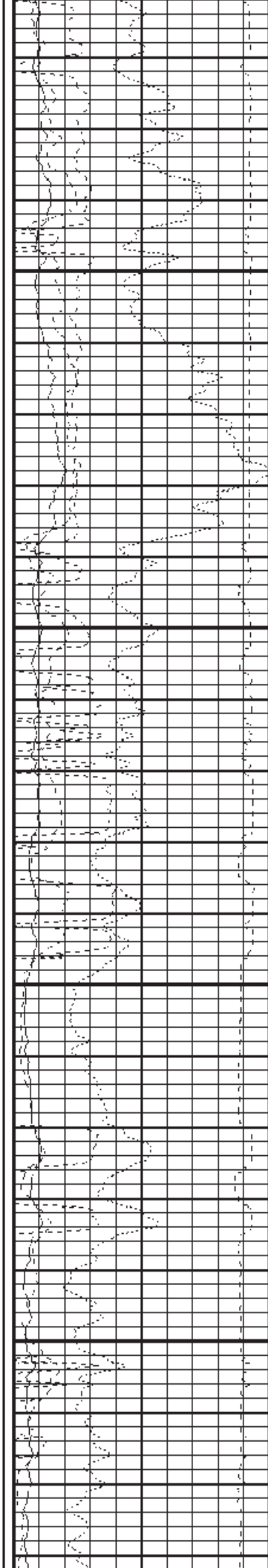


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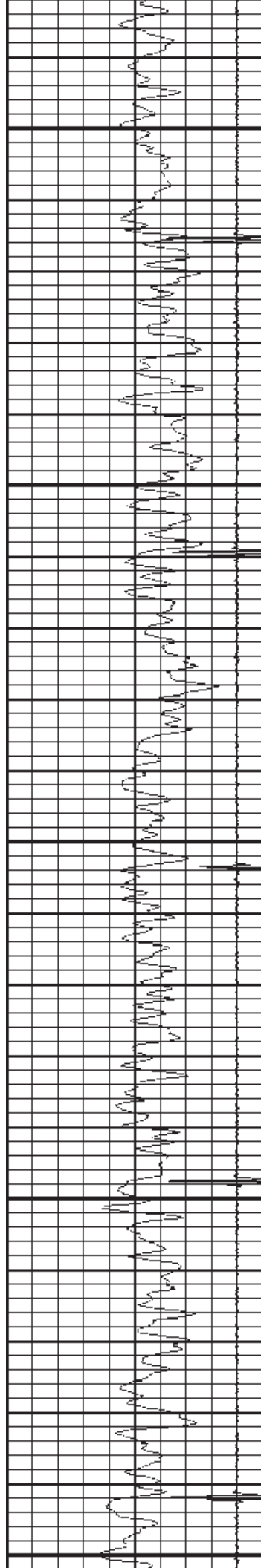
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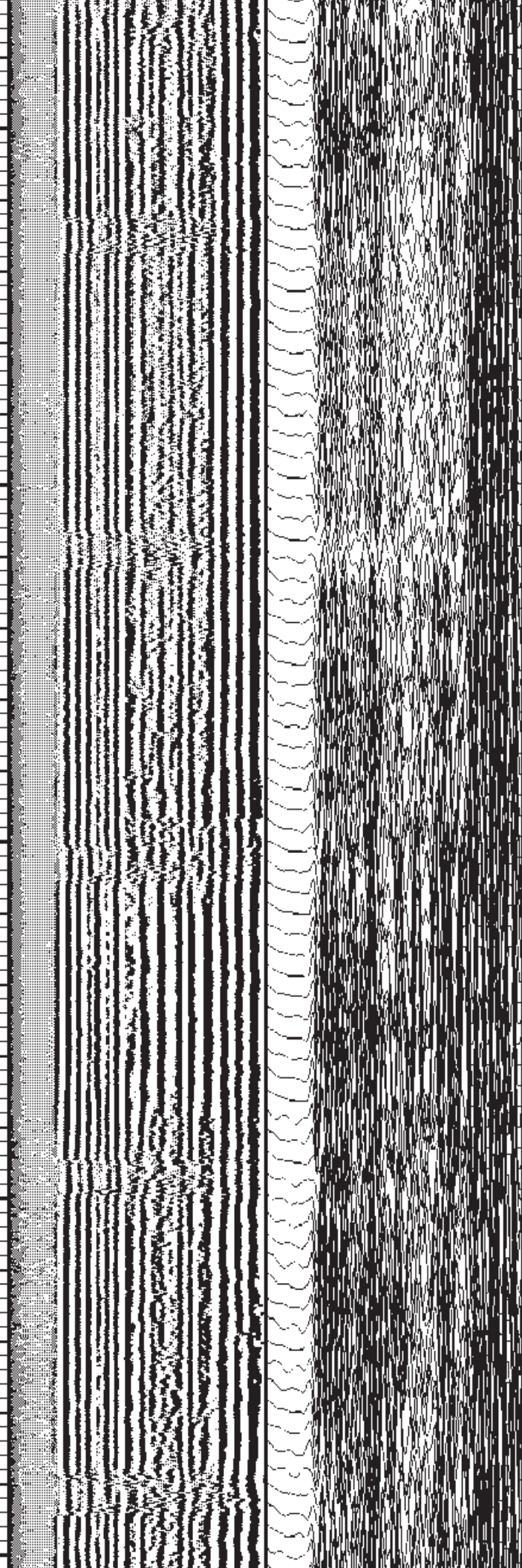
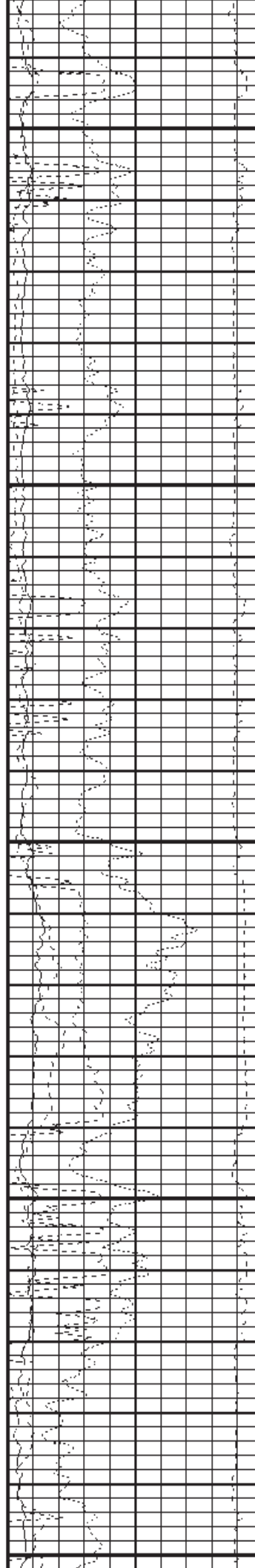
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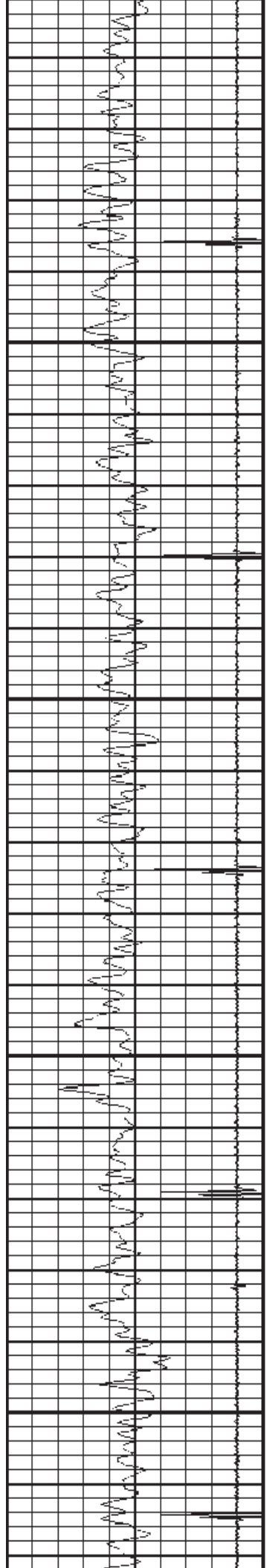
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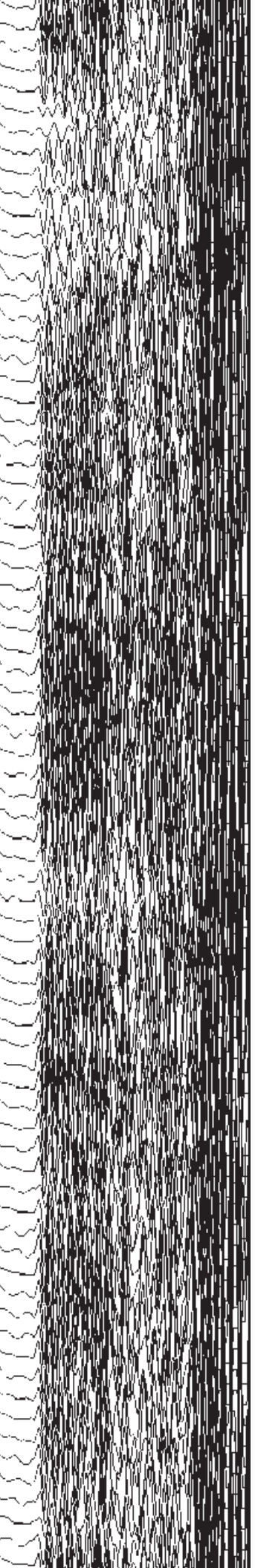
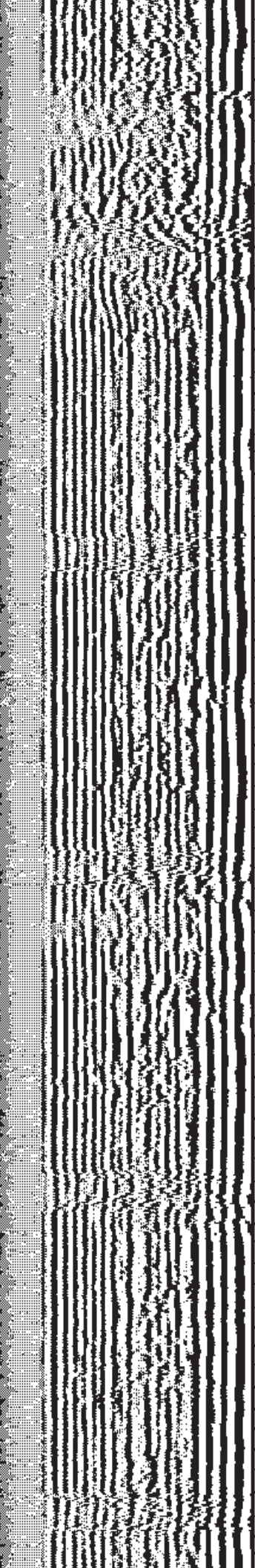
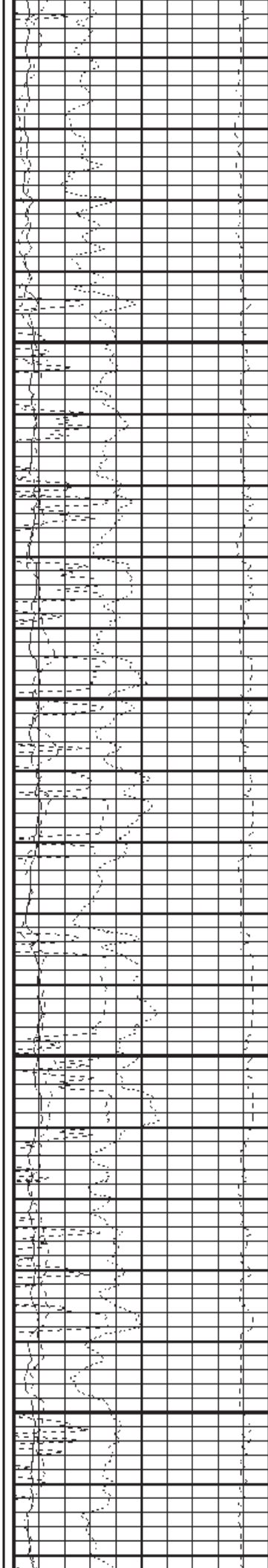


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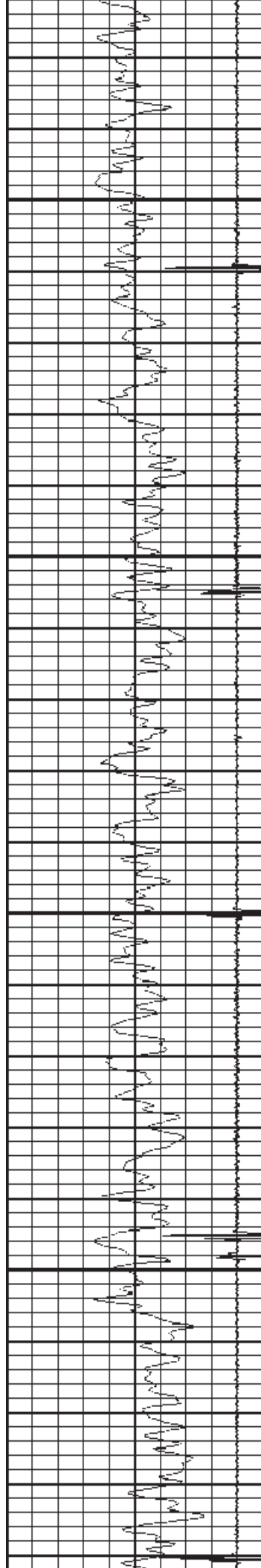
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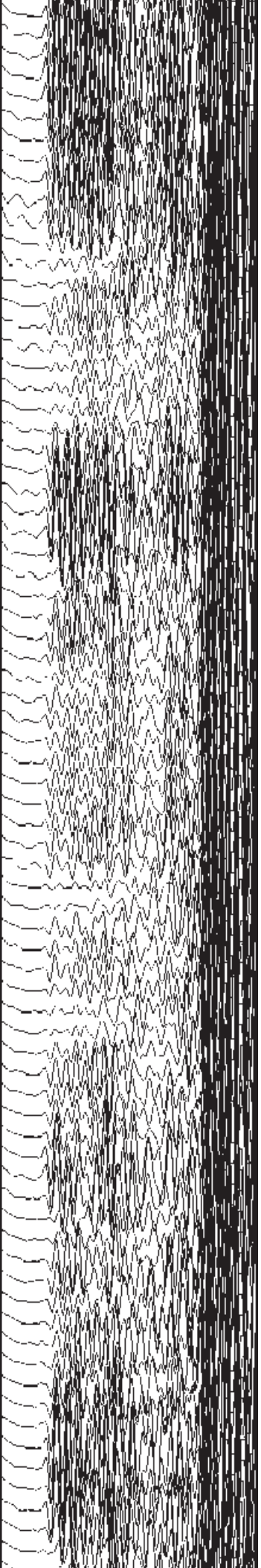
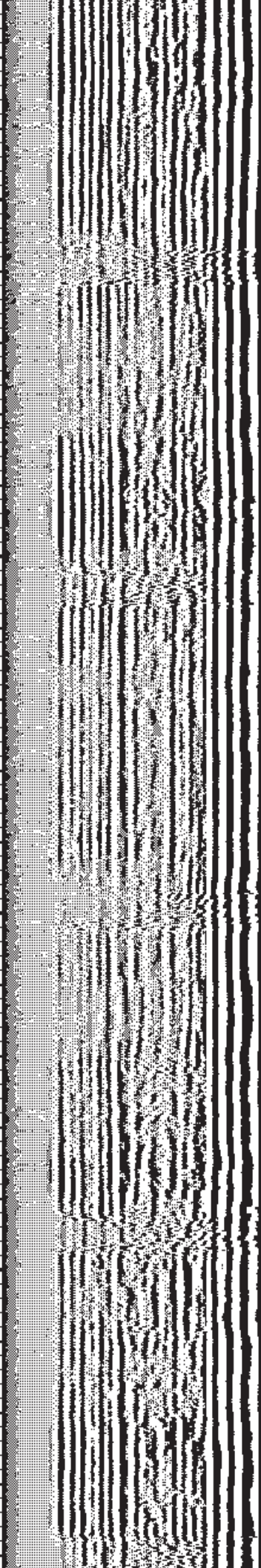
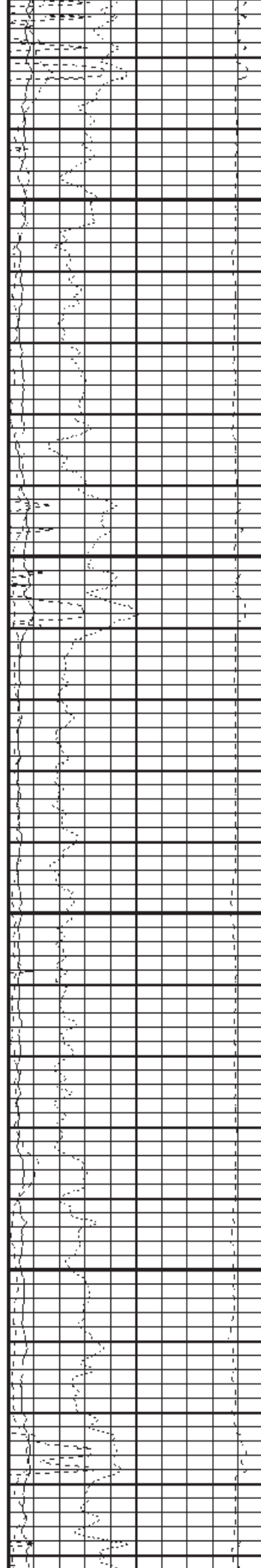


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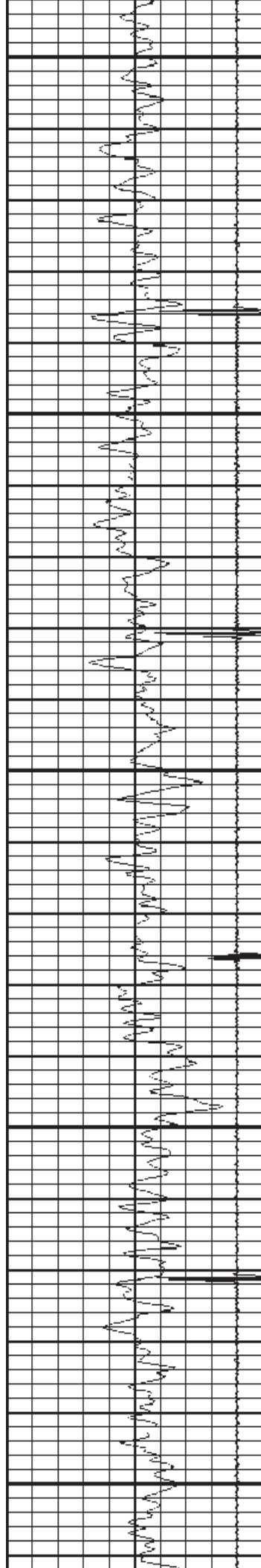
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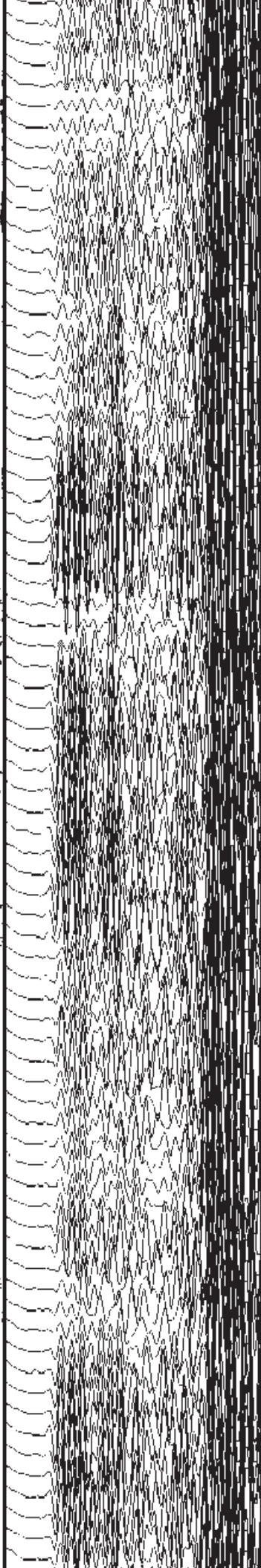
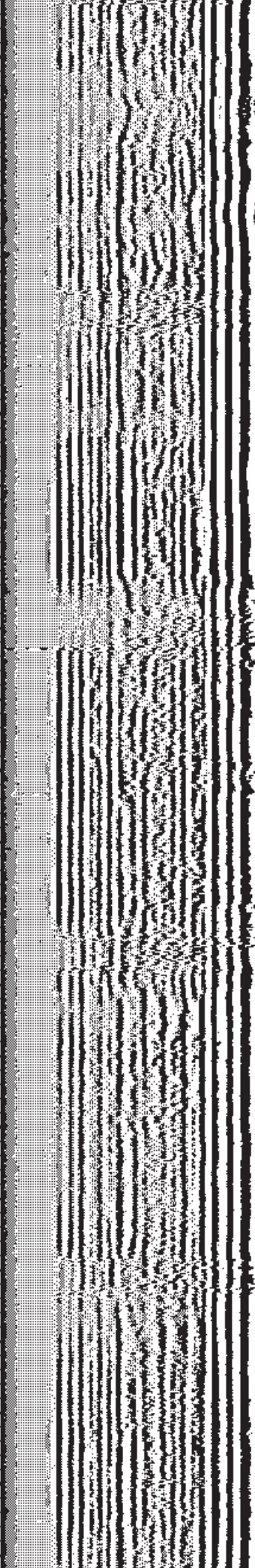
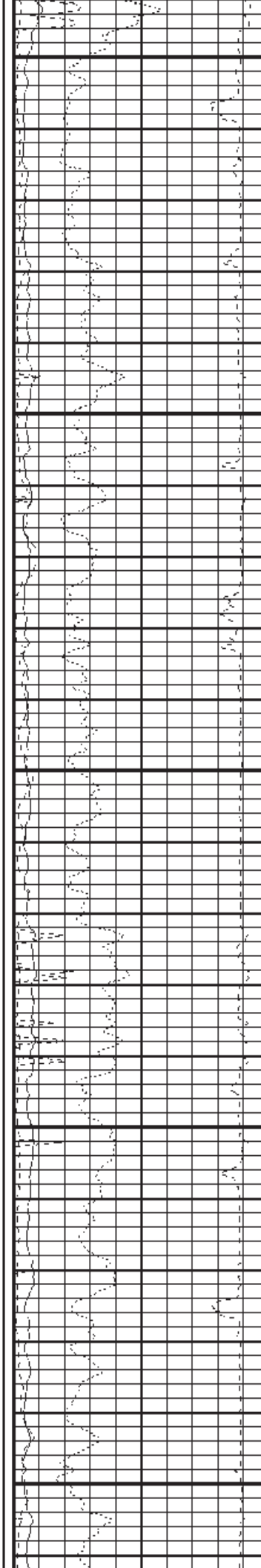
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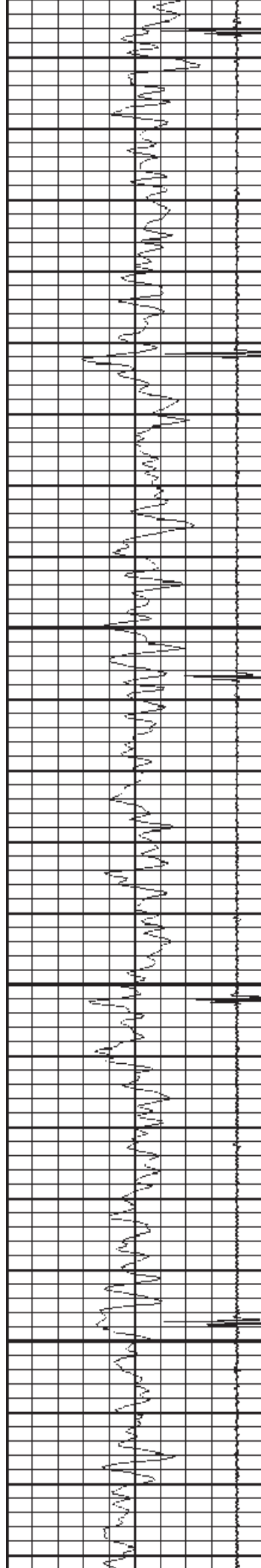
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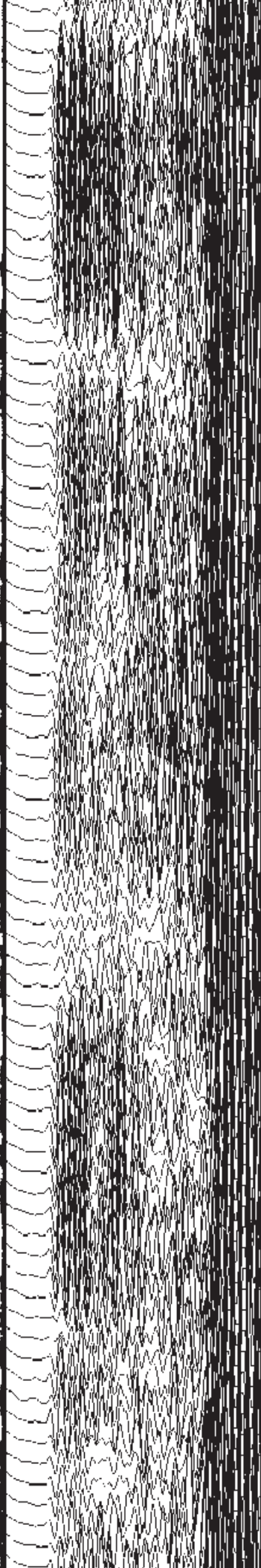
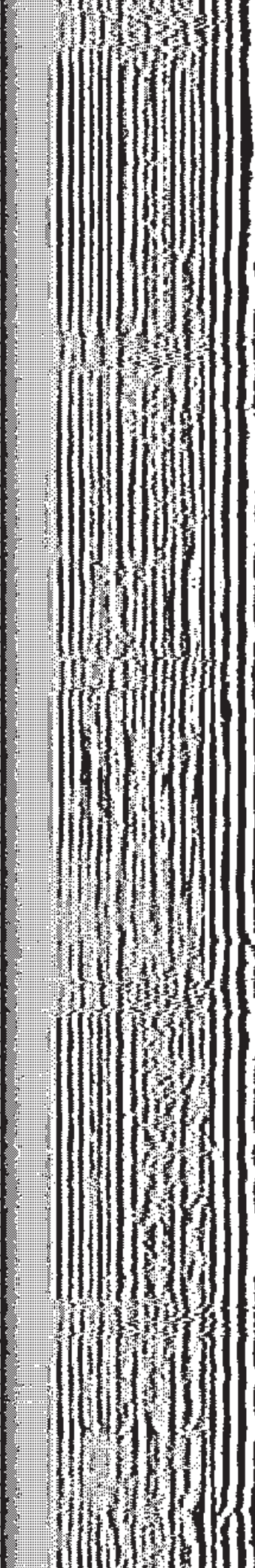
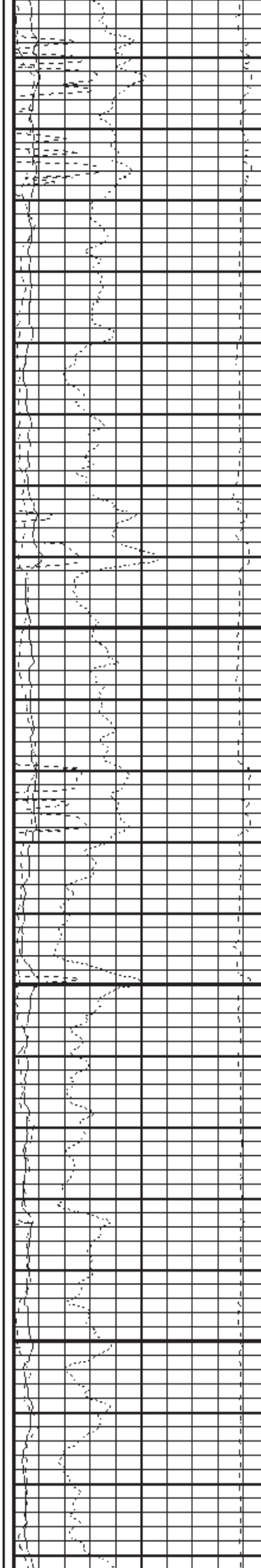


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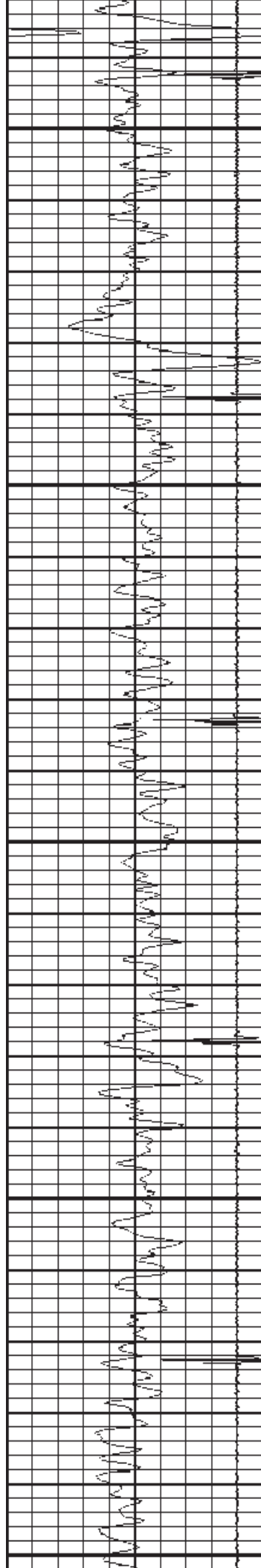
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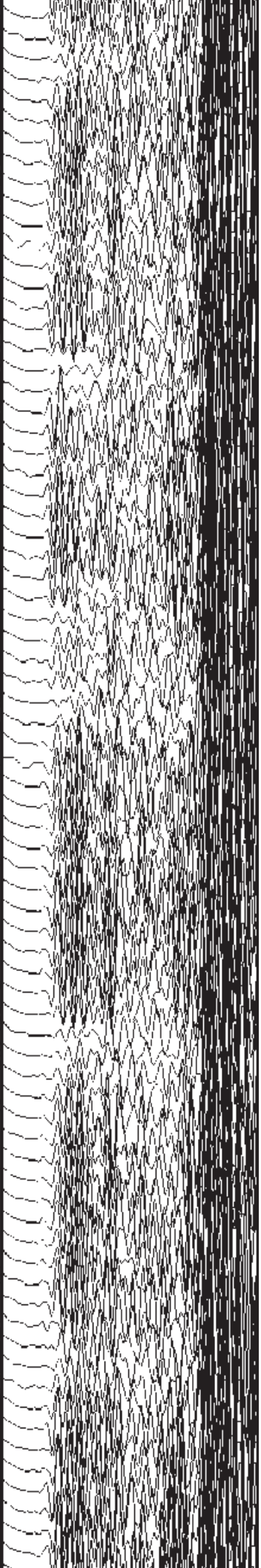
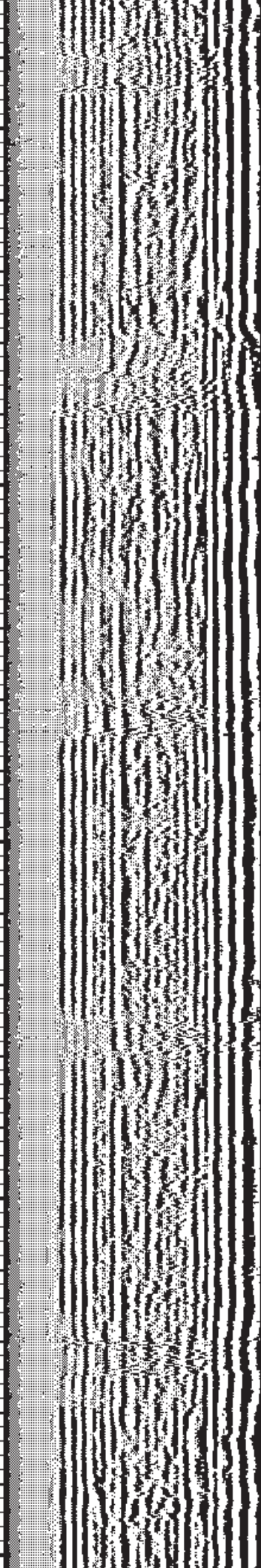
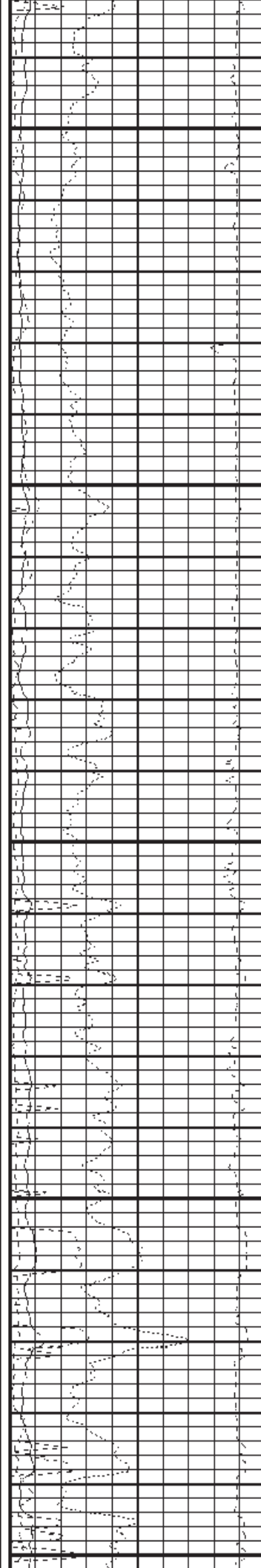
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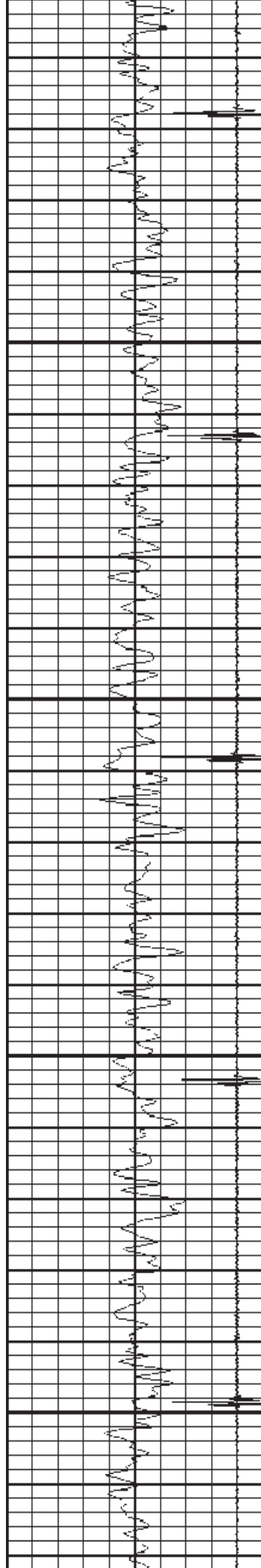
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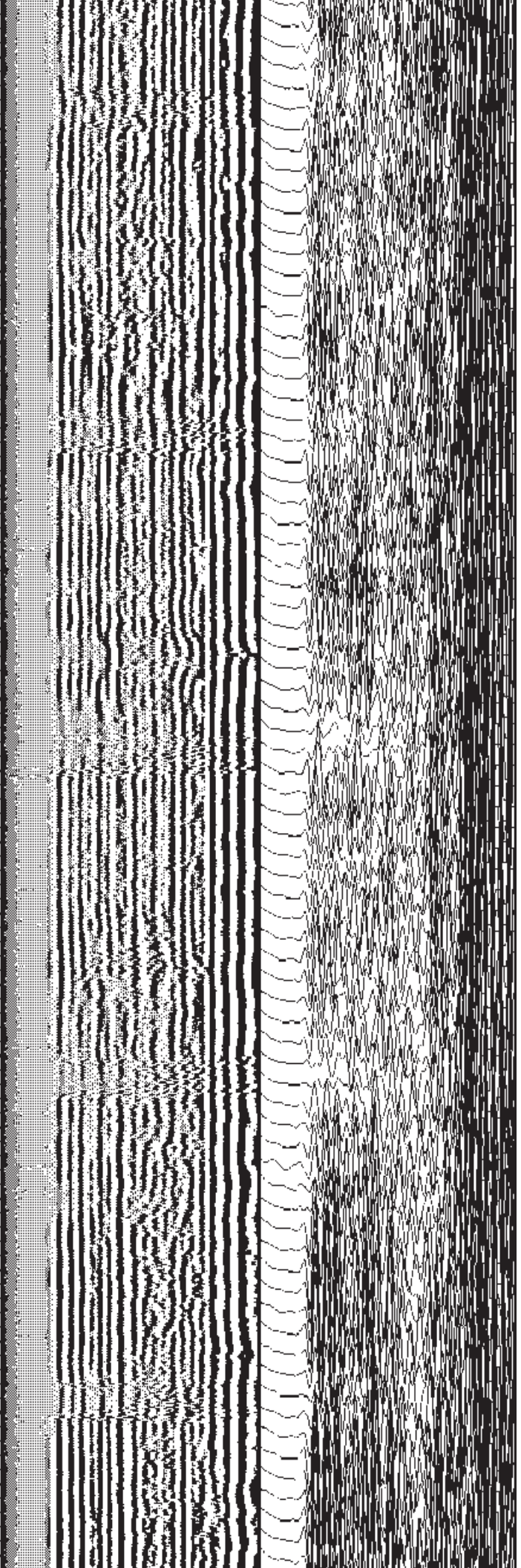
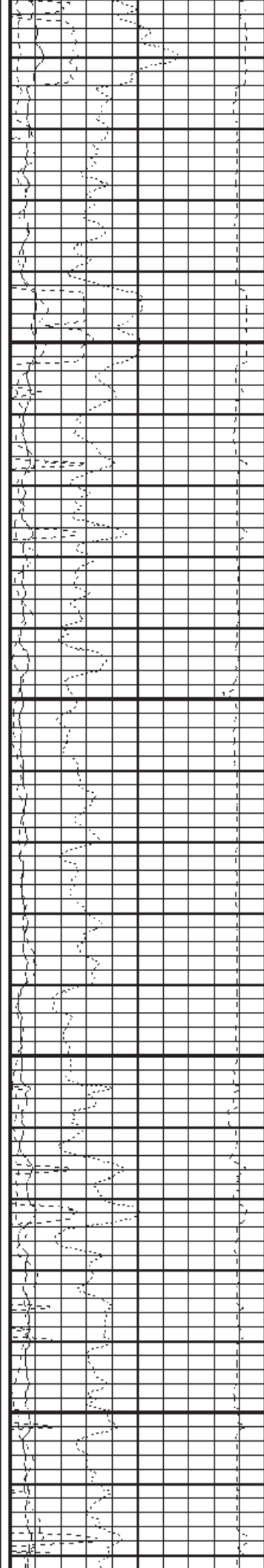


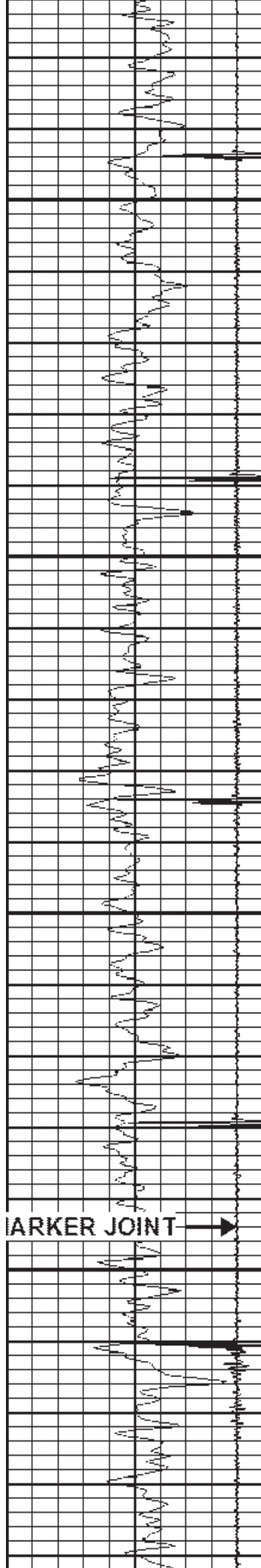
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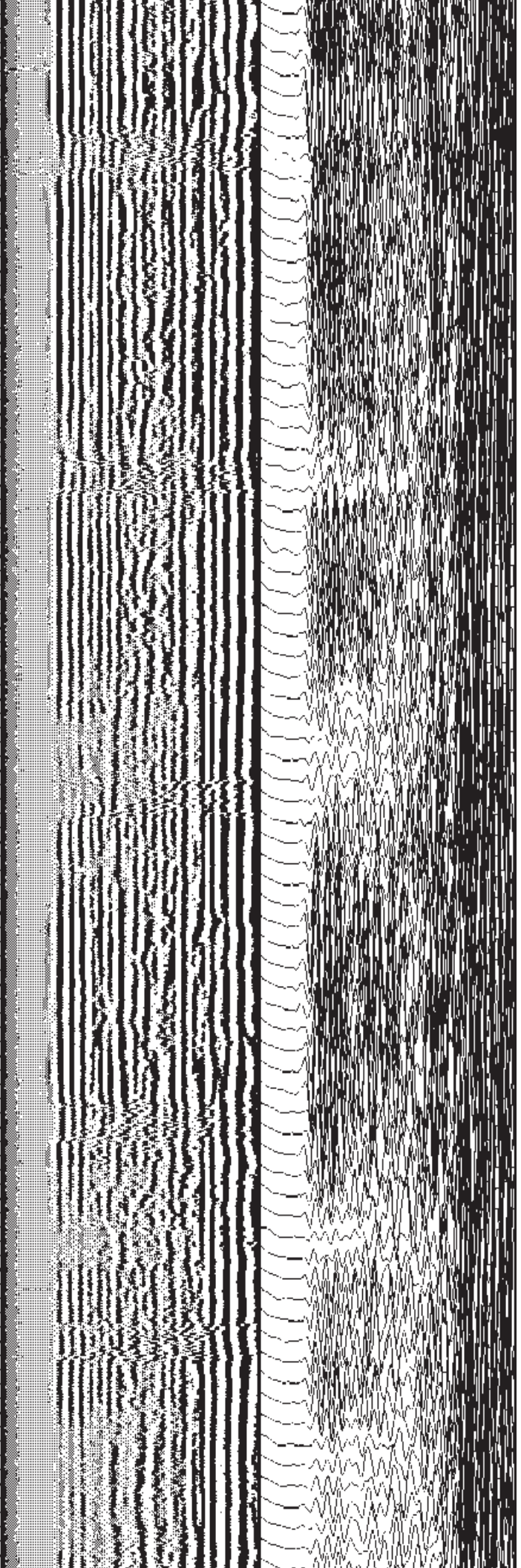
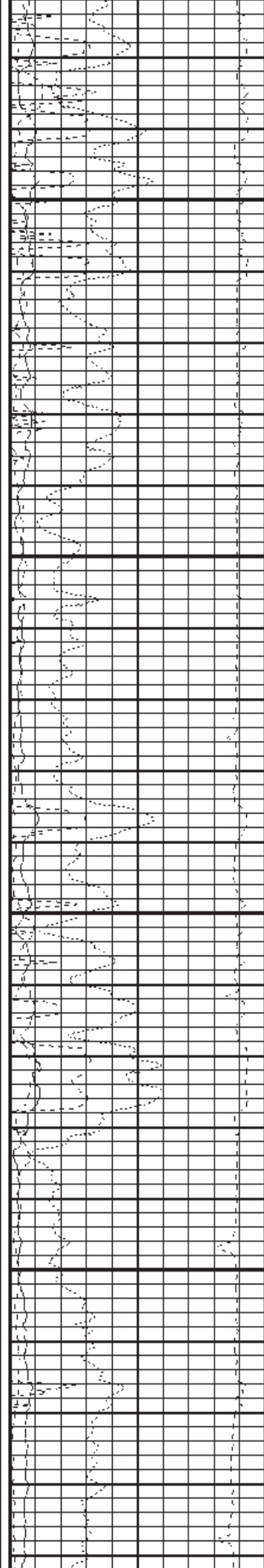
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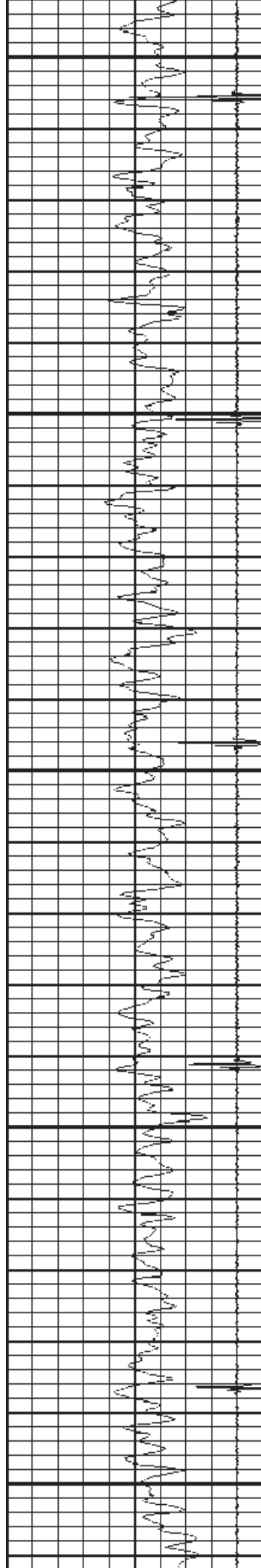
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MARKER JOINT →

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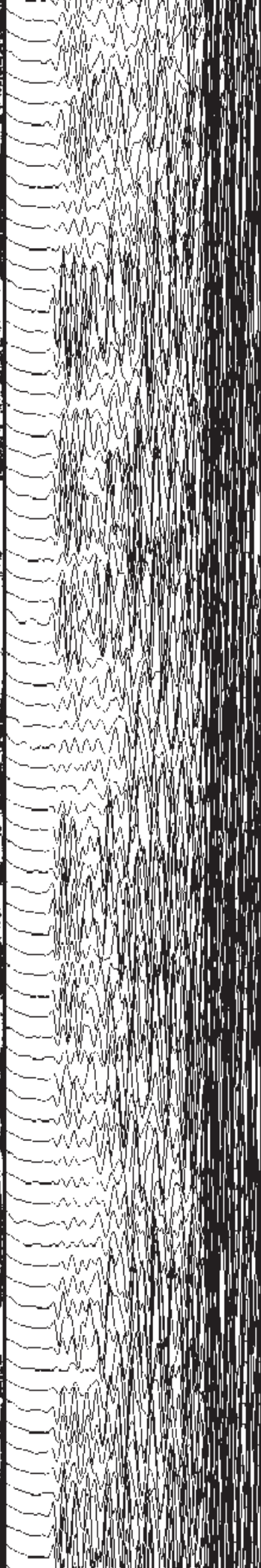
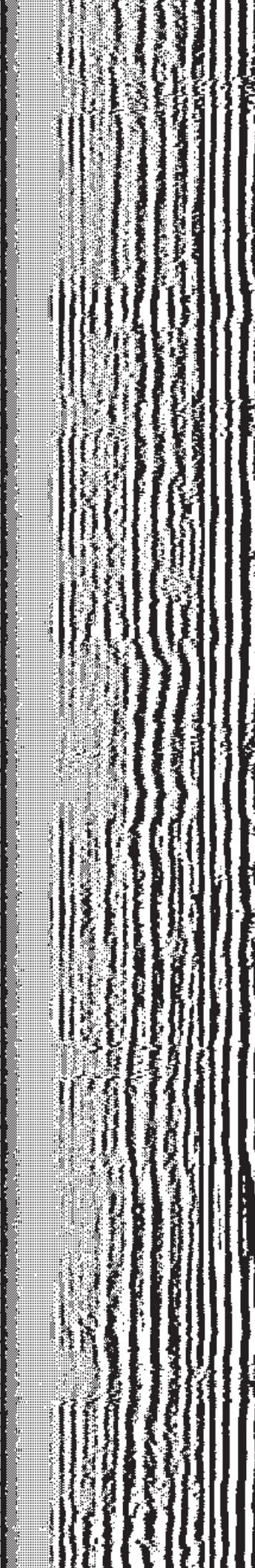
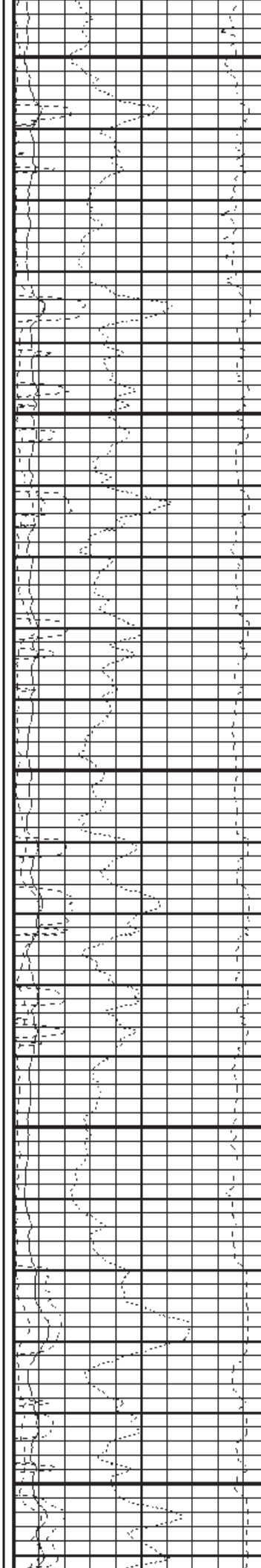
5000

5050

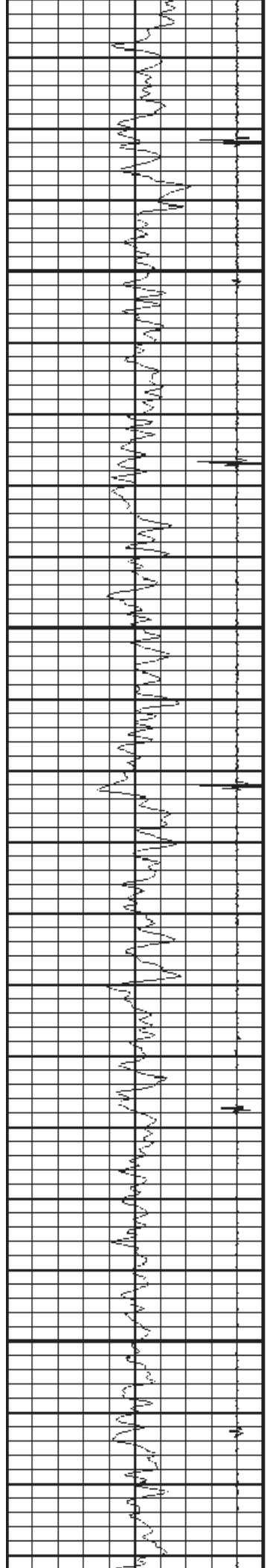
5100

5150

5200





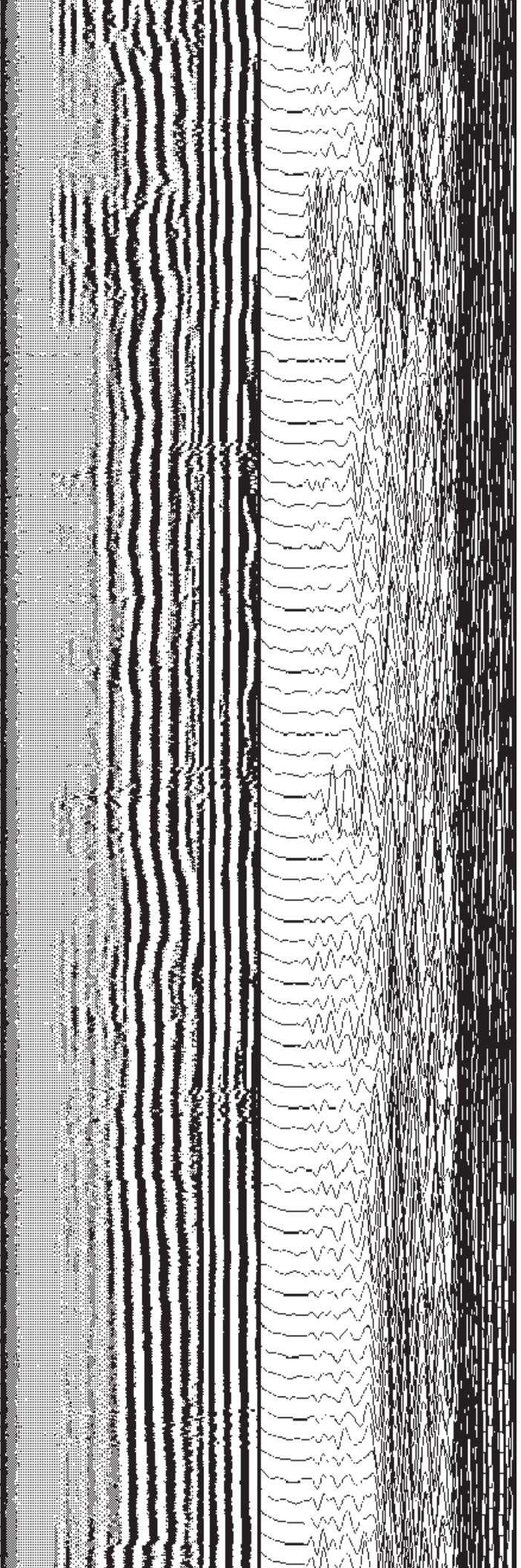
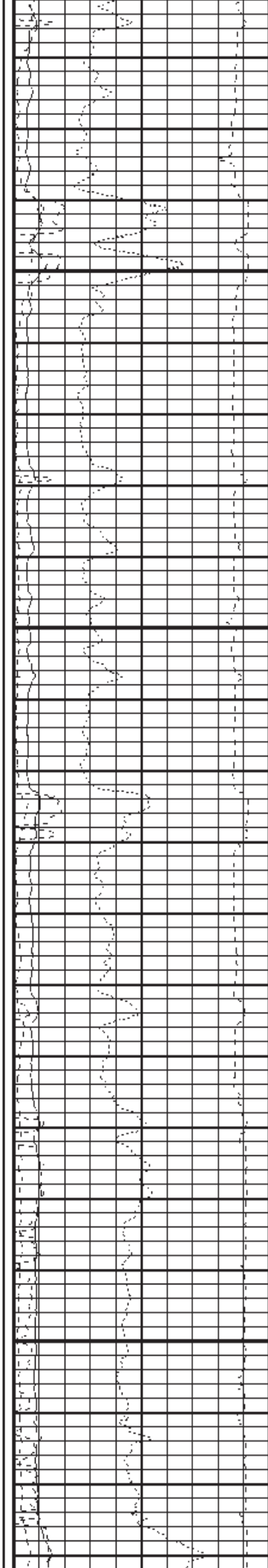


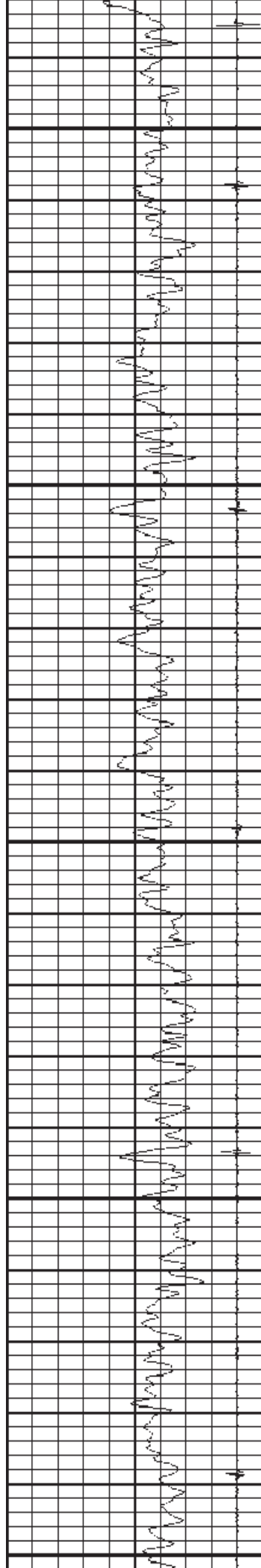
5250

5300

5350

5400





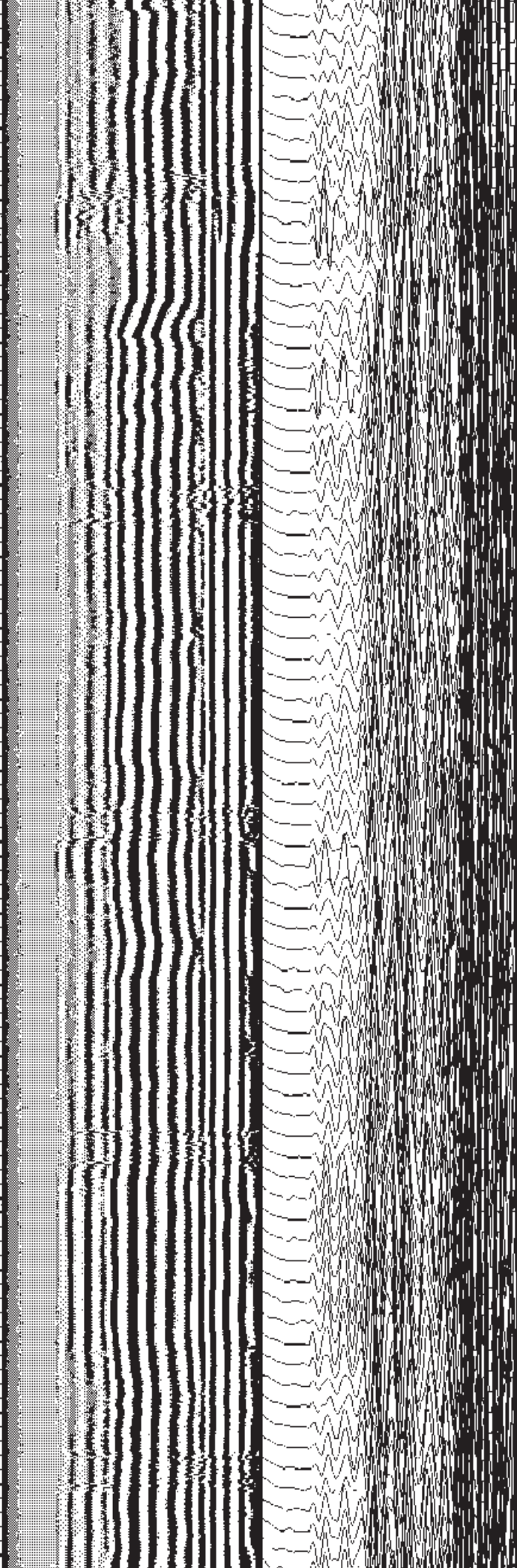
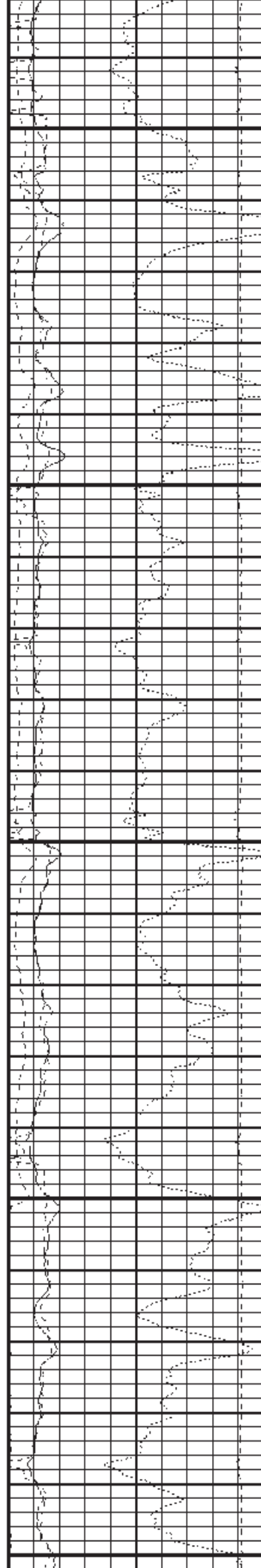
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5500

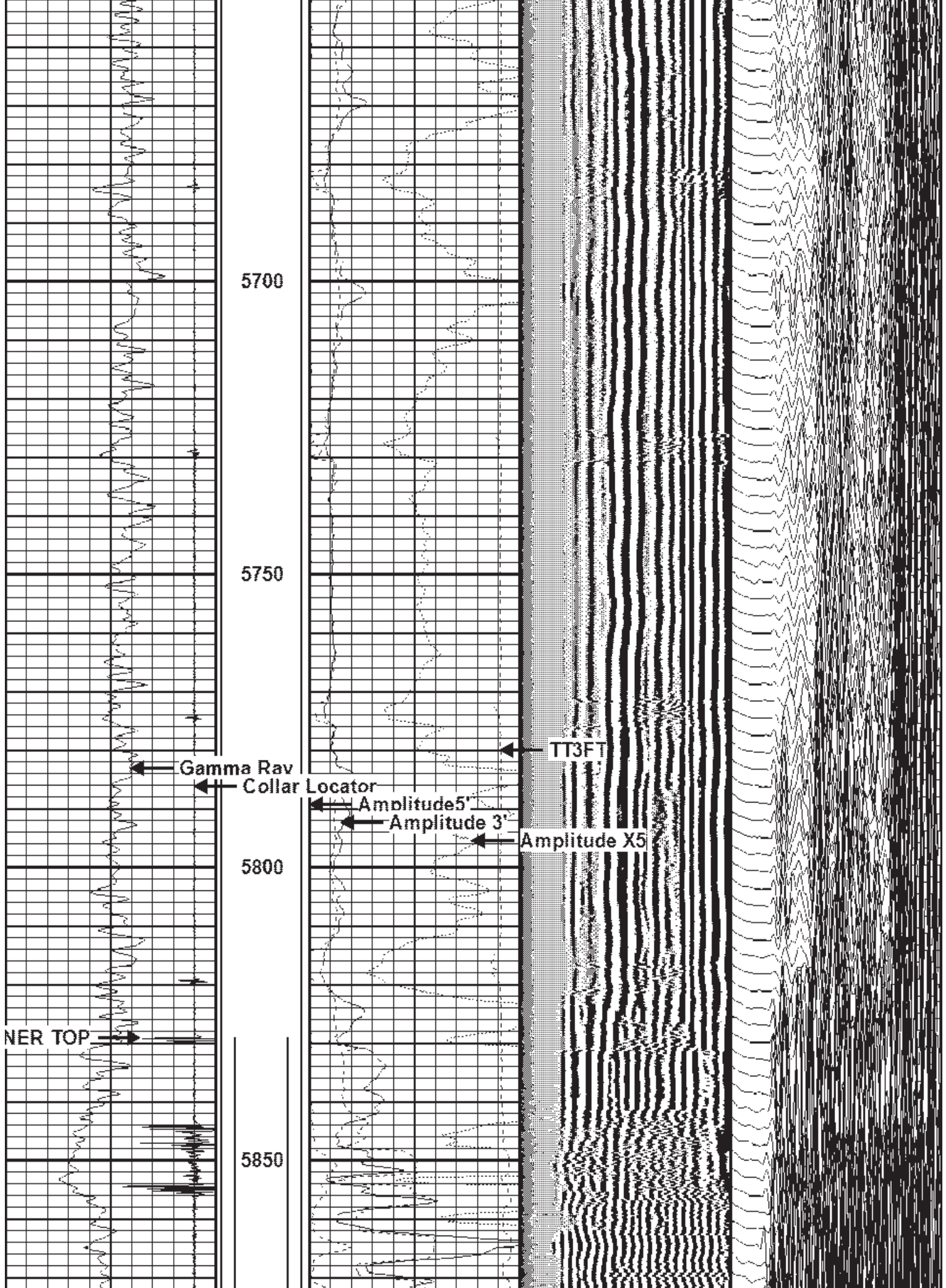
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5600

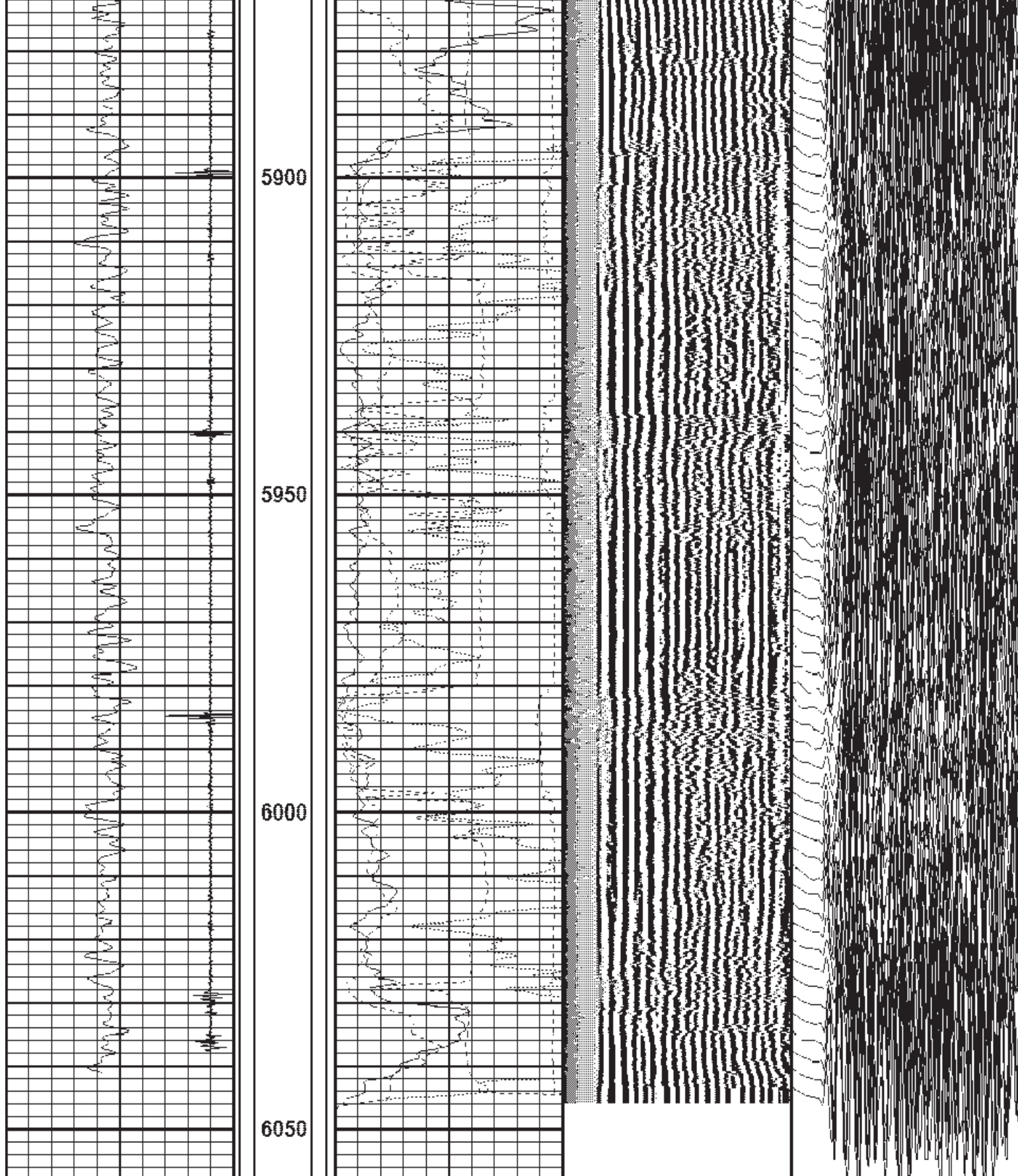
5650











9	Collar Locator	-1	Amplitude X5	200	VDL	1200	200	WVF5FT	1200
0	Gamma Ray	150	0 (mV)	16					
			Amplitude 3'						
			0 (mV)	80					
			TT3FT						
			1200 (usec)	200					

	Travel Time X10	
300	(usec)	200
	Amplitude5'	
0	(mV)	80

Calibration Report	
Database File	3225b2.db
Dataset Pathname	pass1
Dataset Creation	Fri Dec 11 12:07:48 2015

Gamma Ray Calibration Report
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Serial Number:	PRO1	
Tool Model:	Probe169	
Performed:	Fri May 31 16:31:53 2013	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	/cps

# Segmented Cement Bond Log Calibration Report

Serial Number:	PRO1	
Tool Model:	Probe169	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	56.050	ft

Master Calibration, performed Fri Dec 11 09:51:33 2015:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.064	1.626	0.450	71.921	42.293	3.143
CAL						
5'	-0.006	2.499	0.450	71.921	28.530	0.630
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Master Calibration, performed Fri Dec 11 09:51:33 2015:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.064	1.626	0.450	71.921	42.293	3.143
CAL						
5'	-0.006	2.499	0.450	71.921	28.530	0.630
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:						
Raw (v)		Calibrated (v)		Results		
Zero	Cal	Zero	Cal	Gain	Offset	
CAL						

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:						
Raw (v)		Calibrated (v)		Results		
Zero	Cal	Zero	Cal	Gain	Offset	
CAL						

Air Zero Calibration, performed Fri Dec 11 09:49:02 2015:



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