

Company KINDER MORGAN C02 Co. L.P  
 Well YELLOW JACKET A-7(YA-7)  
 Field McELMO DOME  
 County MONTEZUMA State CO

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 Well YELLOW JACKET A-7(YA-7)  
 Field McELMO DOME  
 County MONTEZUMA State CO

API No.: 05-083-06701 Serv #: 9734612  
 Location: SHL:615' FSL&2468' FEL

Other Services

GYRO

Sec: 13 Twp:37N Rge: 18W

Permanent Datum	GL	Elevation	6692'
Log Measured From	KB		K.B. 6717'
Drilling Measured From	KB		D.F. 6717'
			GL. 6292'

Date @ Time Logged	11-AUG-2012	Type Fluid In Hole	WATER
Run No.	ONE	Density of Fluid	8.3 PPG
Depth - Driller	8141'	Fluid Level	FULL
Depth - Logger	7972'	Cement Top Est. Logged	N/A
Bottom - Logged Interval	7966'	Equipment / Location	11808537 / RS
Top - Log Interval	SURFACE	Recorded by	PEDRO GONZALEZ B.
Max. Recorded Temp.	N/A	Witnessed by	K.KORNAGAY
CEMENTING DATA	Surface	Protection	Production
	String	String	String

Date / Time Cemented		Primary / Squeeze	
Expected			
Compressive Strength	psi@	hrs	psi@ hrs
Cement Volume	/	/	/
Cement Type / Weight	/	/	/
Formulation			
Mud Type / Mud Wgt.	/	/	/
Borehole Record		Casing & Tubing Record	
Run Number	Bit	From	To
			Size
			7"
			Weight
			29
			SURFACE
			From
			To
			7991'

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HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

Comments

HES RCBL CORRELATED BY WEATHERFORD COMPACT GAMMA RAY  
 DATED 08-AUG-2012  
 LOG INTERVAL PER CUSTOMER REQUEST

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES. ROCK SPRING WY

TELEMETRY		RADIAL CEMENT BOND TOOL					
Run No.	ONE	Run No.	ONE	Run No.		Run No.	
Serial No.	21764	Serial No.	2212	Serial No.		Serial No.	
Model No.	TTTC-U	Model No.	RBT	Model No.		Model No.	
Diameter	1.69"	Diameter	3.125	Diameter		Diameter	

LOGGING DATA

General Data

Pass	Depths		Well Head	Speed	Logging Run Comments
No.	From	To	Pressure	Ft/Min	
ONE	7966'	SURFACE	0	60	

Pass	GAMMA RAY		AMP CBL					
	Scale		Scale		Scale		Scale	
No.	L	R	L	R	L	R	L	L
ONE	0	150	0	100				

DIRECTIONAL INFORMATION

Maximum Deviation		deg. @		KOP	

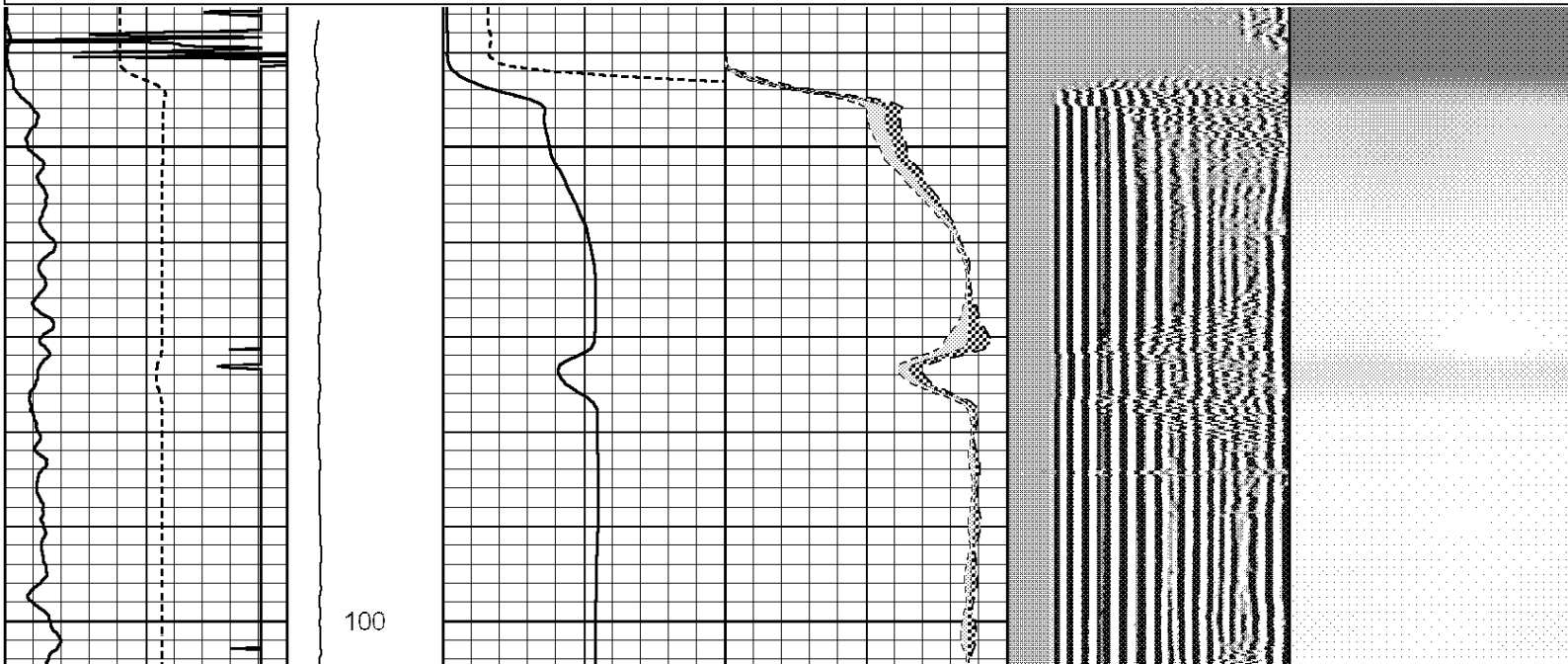
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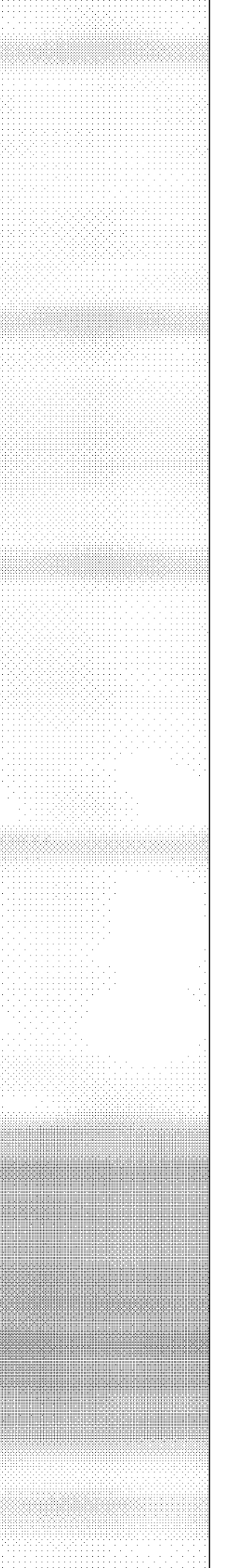
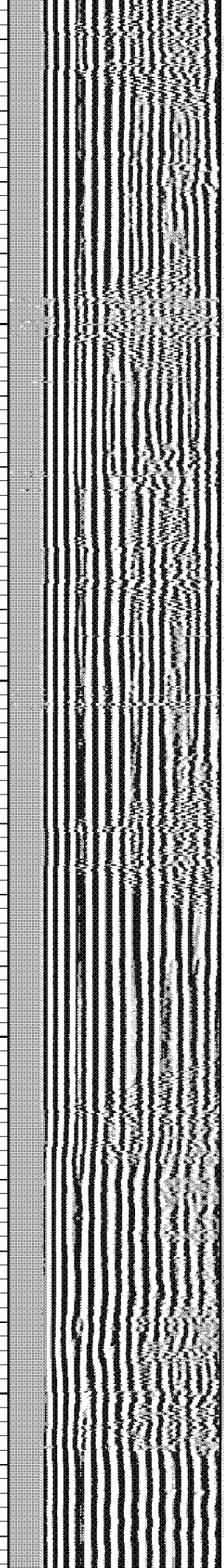
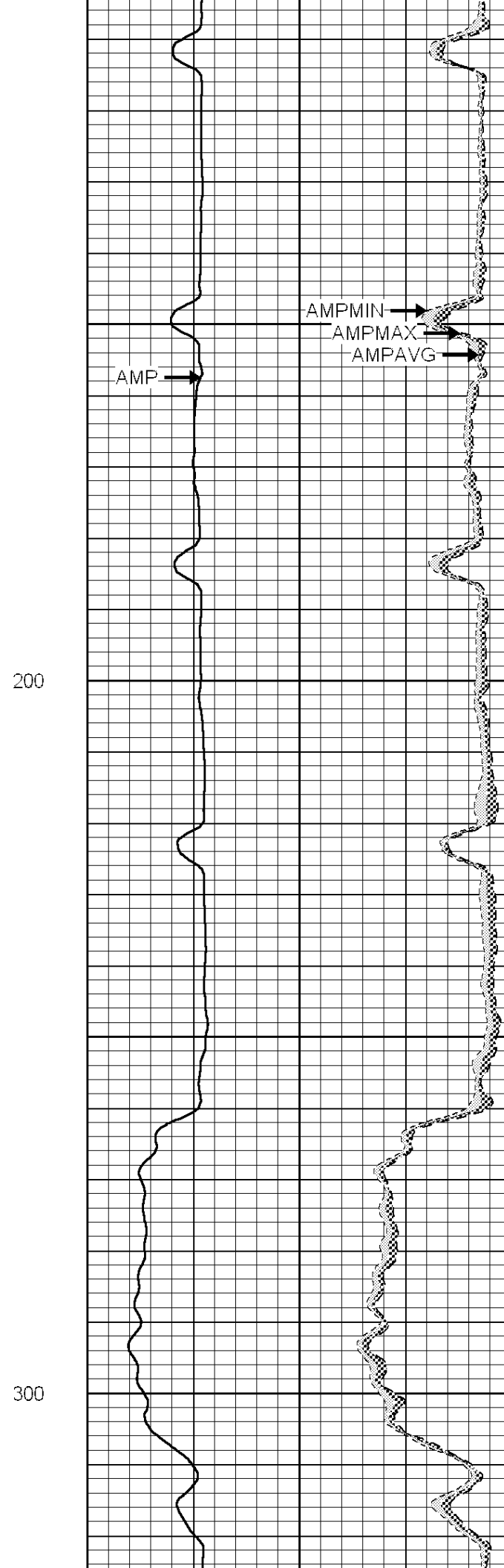
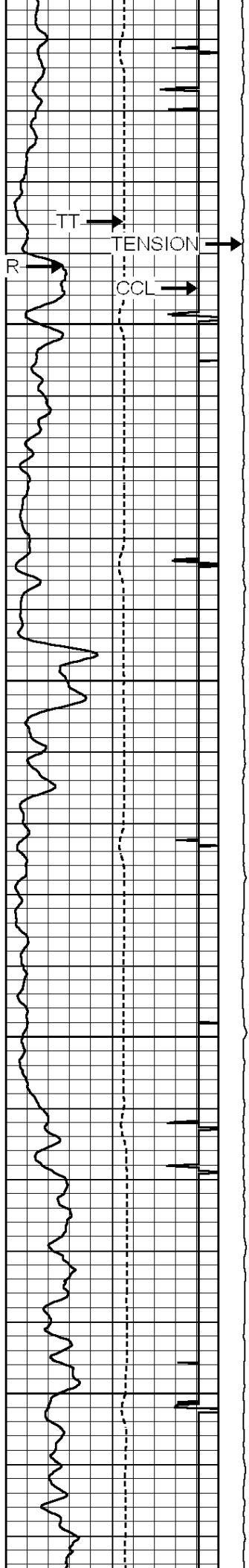
HALLIBURTON

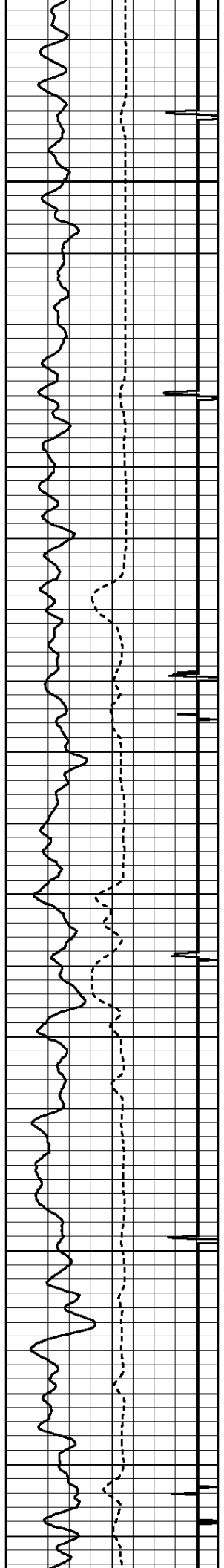
5"=100'

Database File: yellowjacketa-7-ya7.db  
 Dataset Pathname: MD/YJA7YA7/run1/MAIN  
 Presentation Format: radial  
 Dataset Creation: Sat Aug 11 18:08:56 2012 by Log Halliburton Casedho  
 Charted by: Depth in Feet scaled 1:240

360	TT (usec)	160	TENSION	0	AMP (mV)	100	0	AMPAVG	100	200	MSG	1200	1	SECTORS	8
-350	CCL	35	(lb)1600	0	AMPx5 (mV)	10	0	AMPMAX	100				1		100
0	GR (GAPI)	200					0	AMPMIN	100						

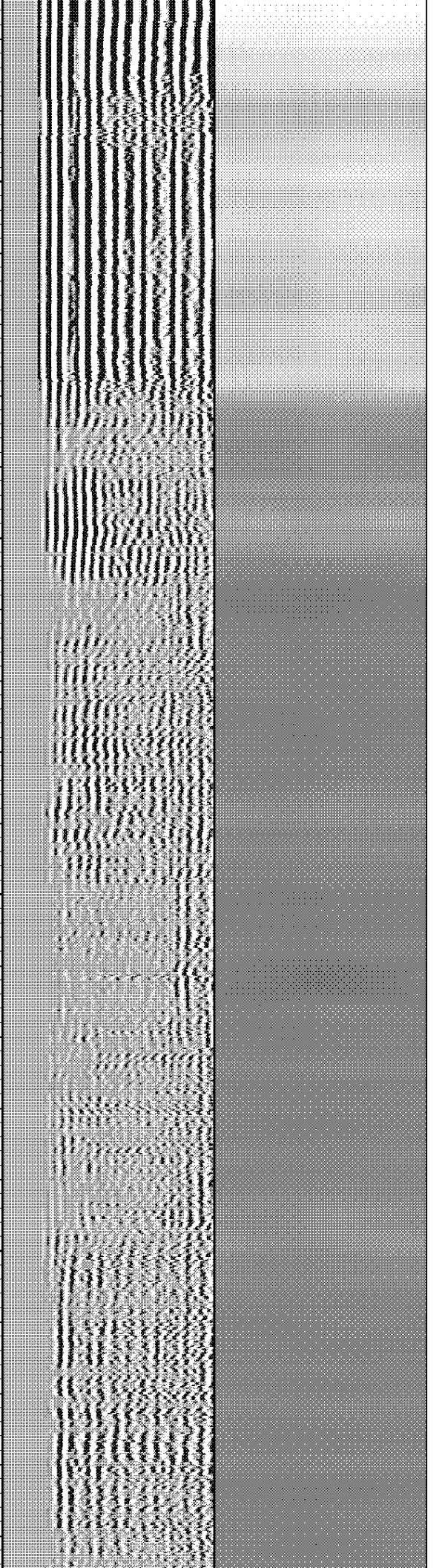
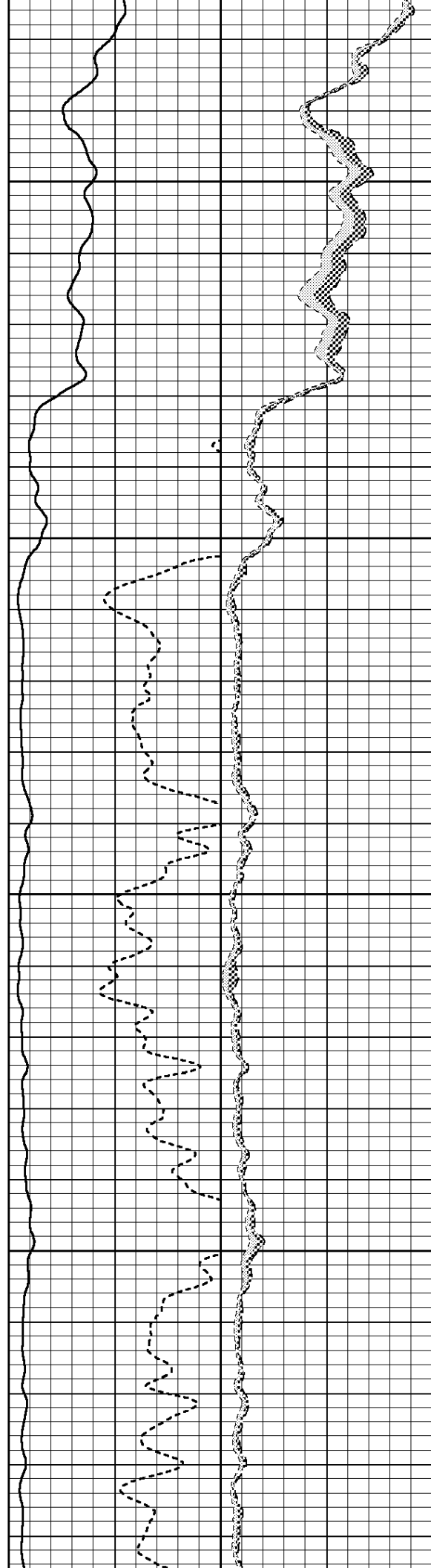


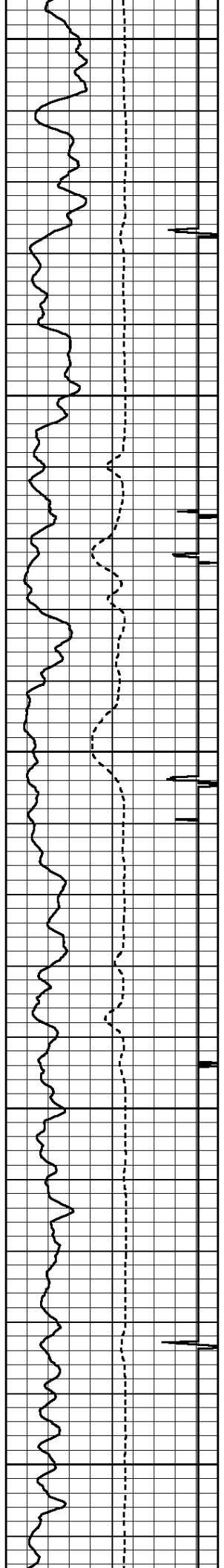




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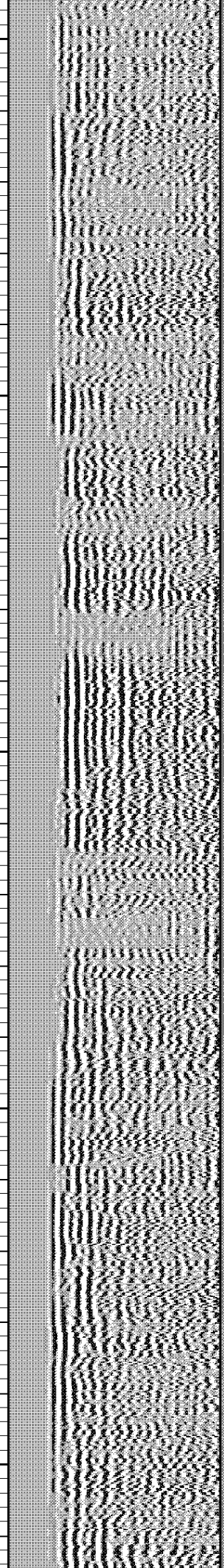
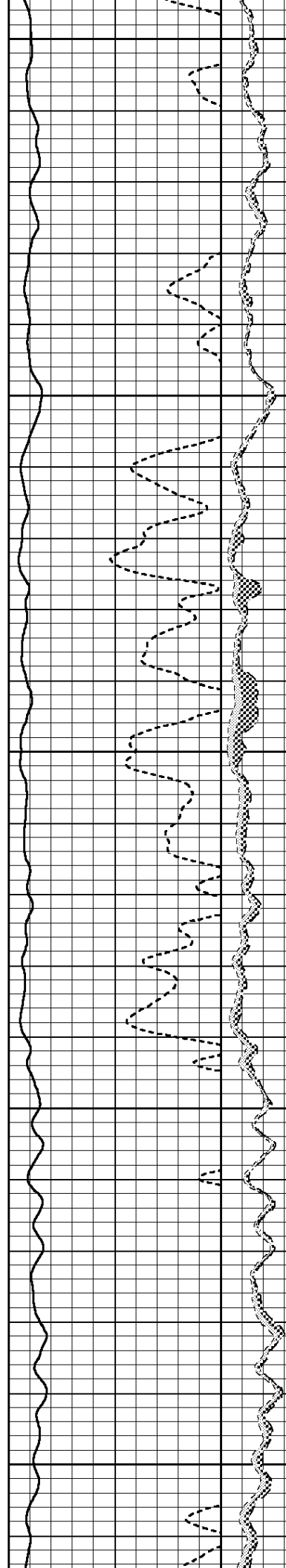
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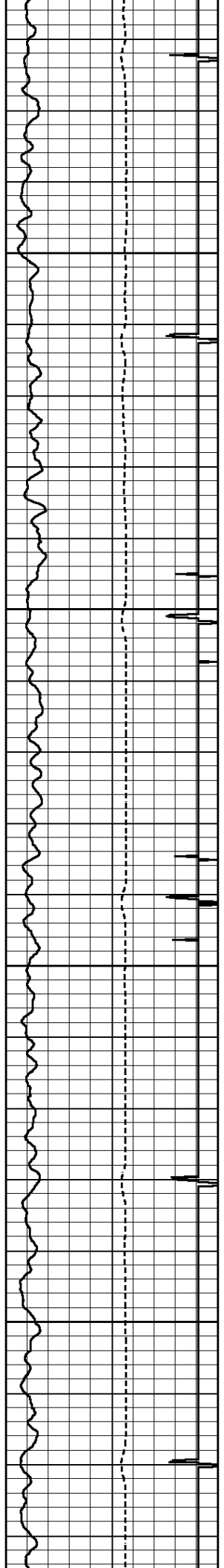




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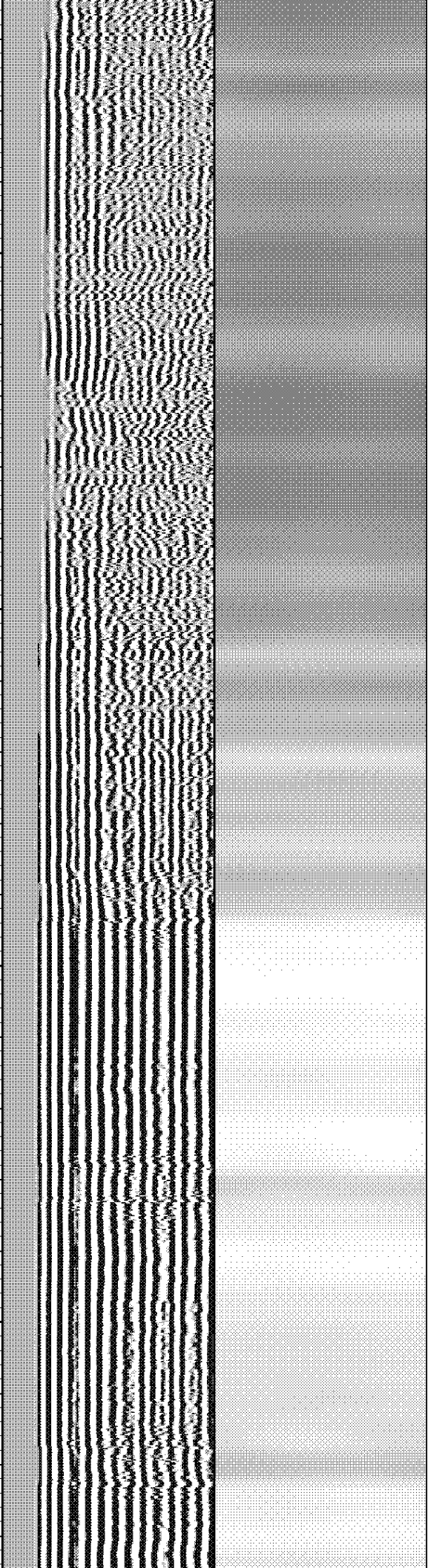
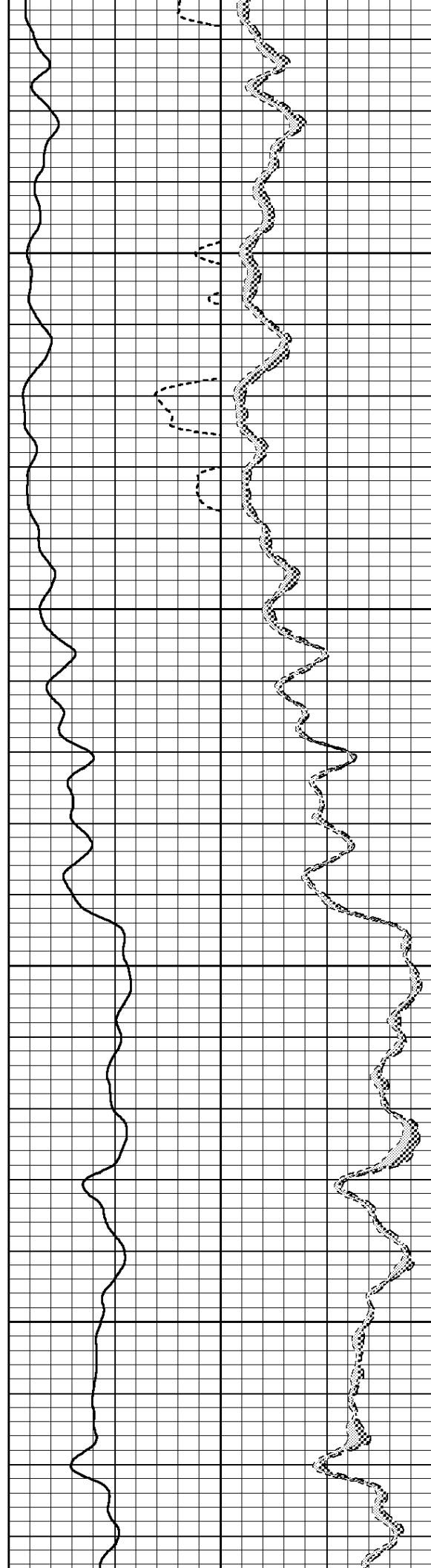
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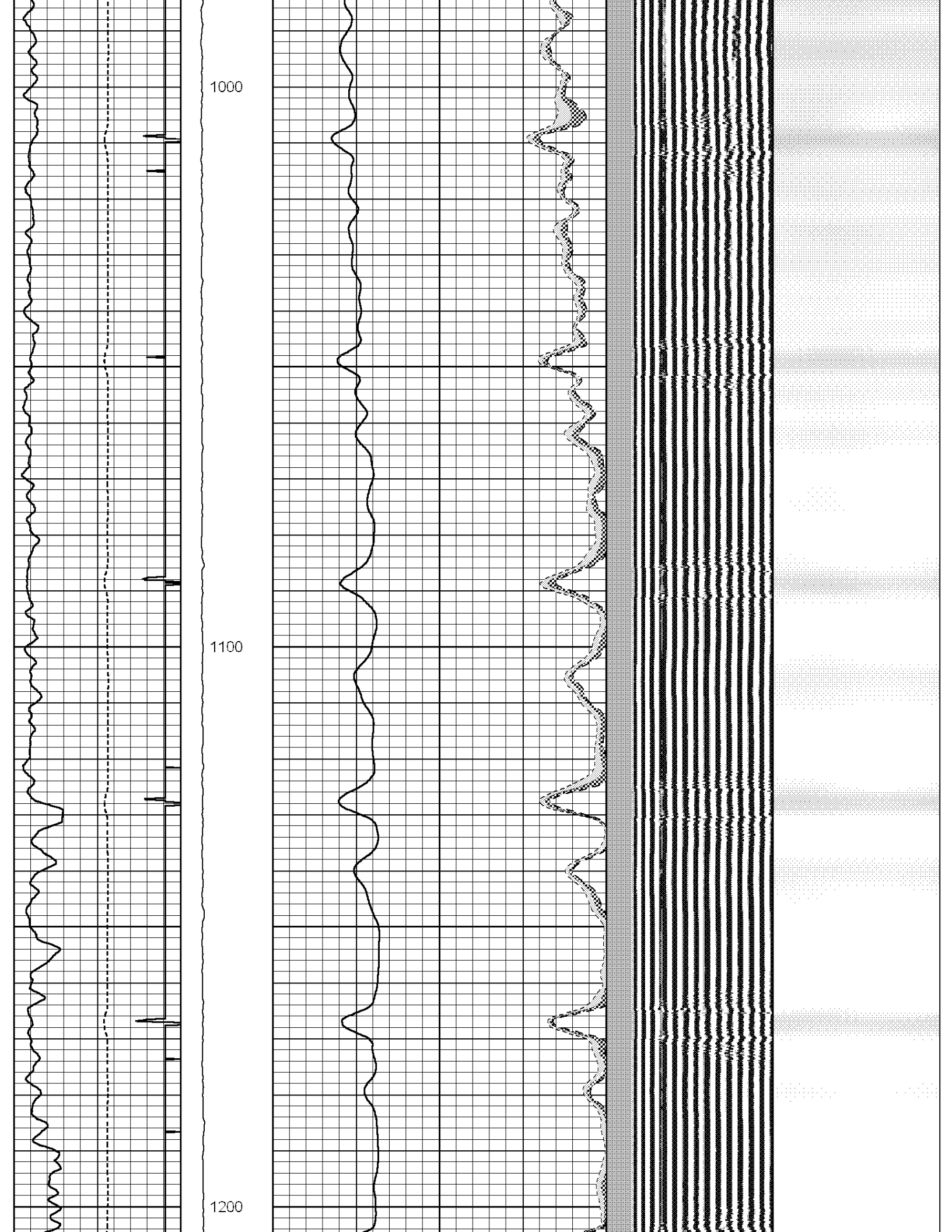


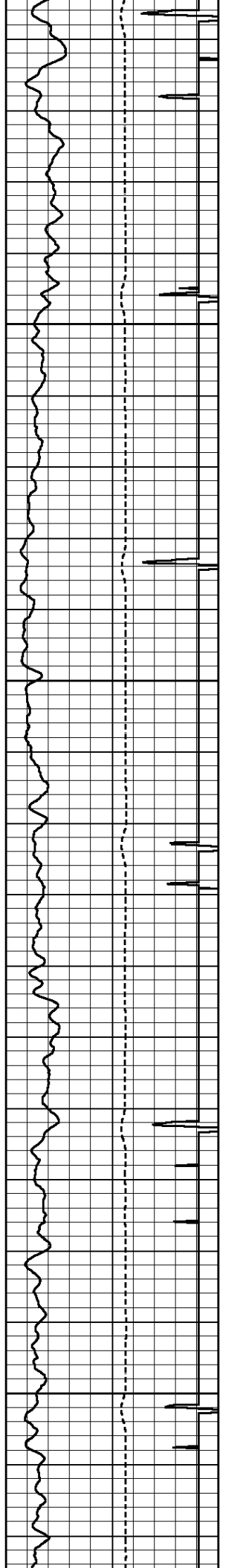


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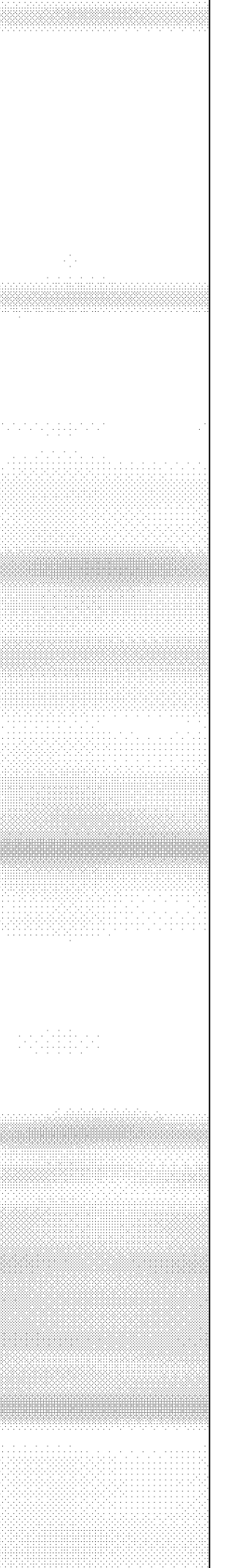
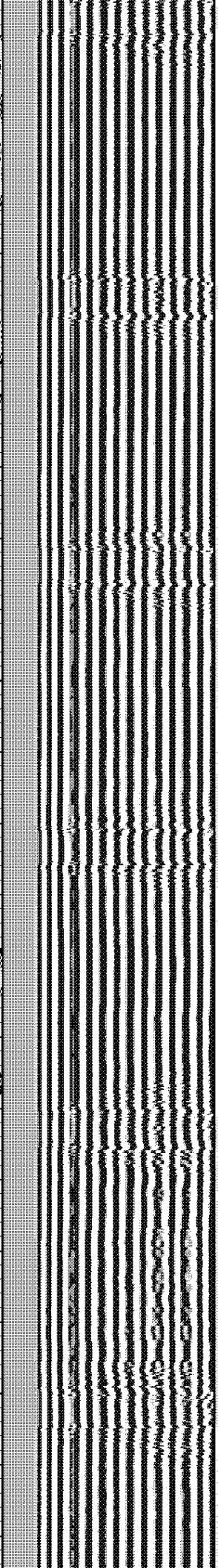
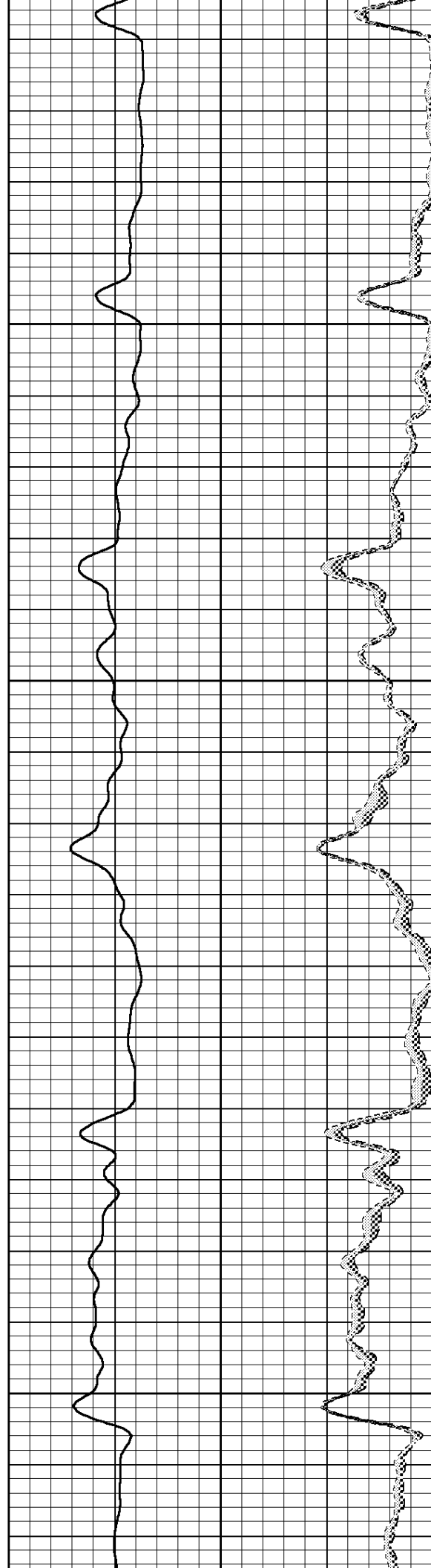




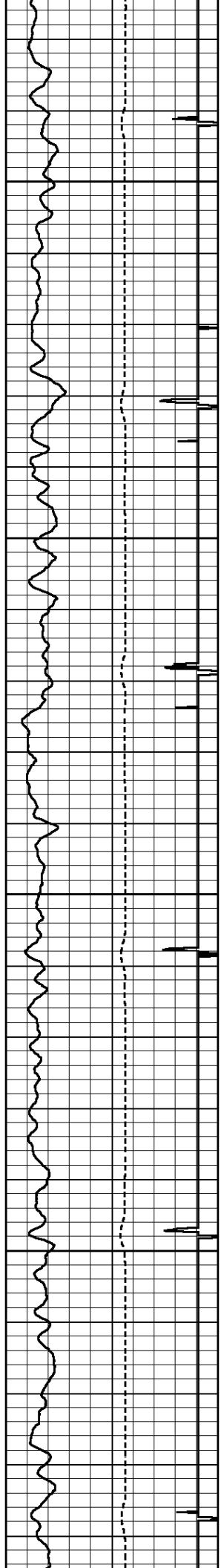


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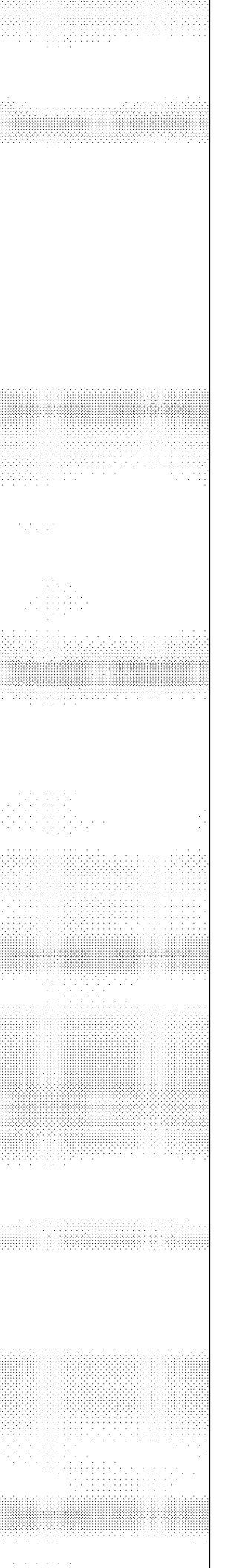
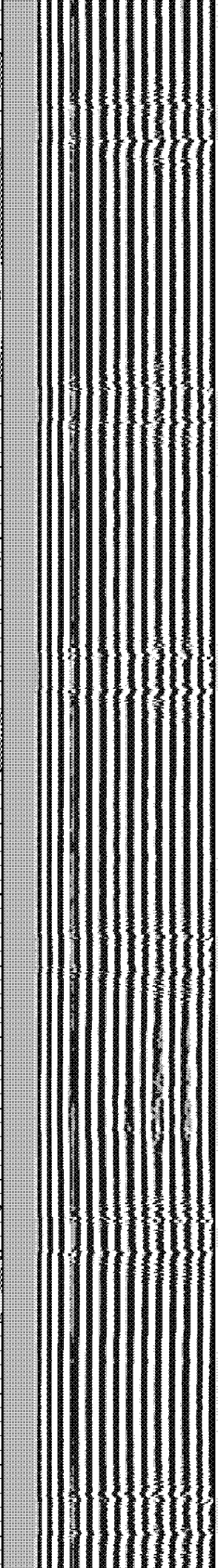
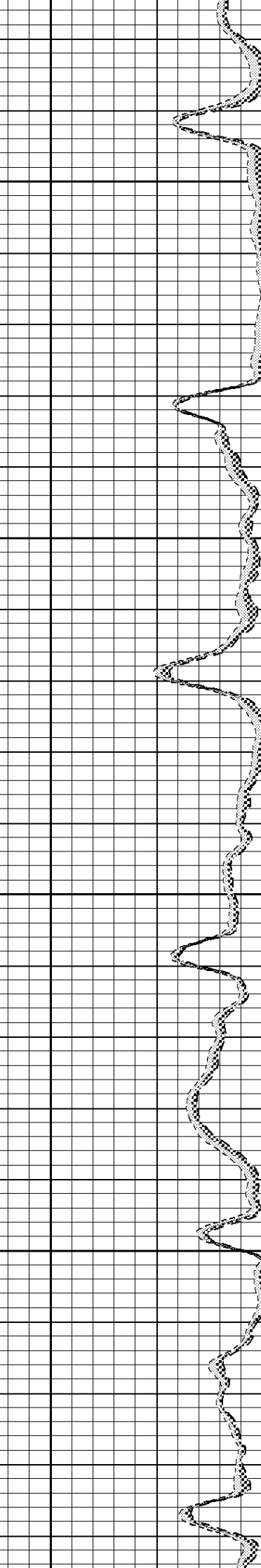
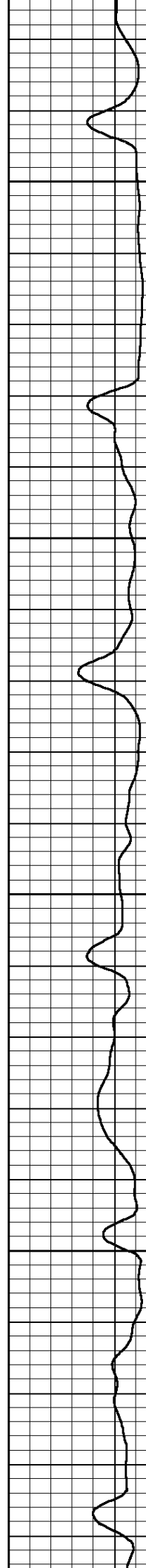


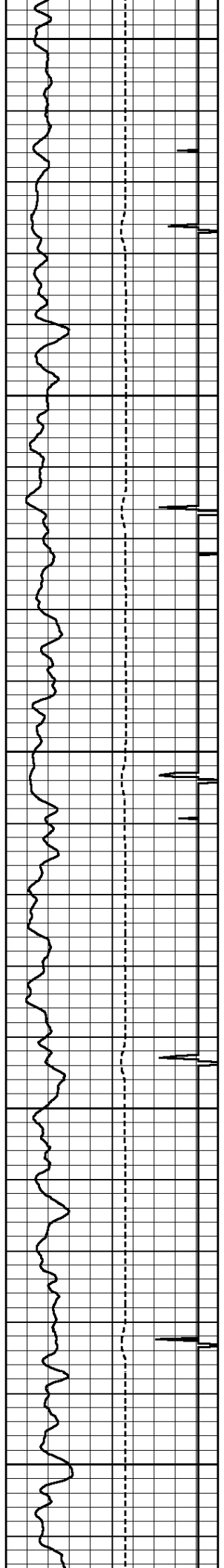




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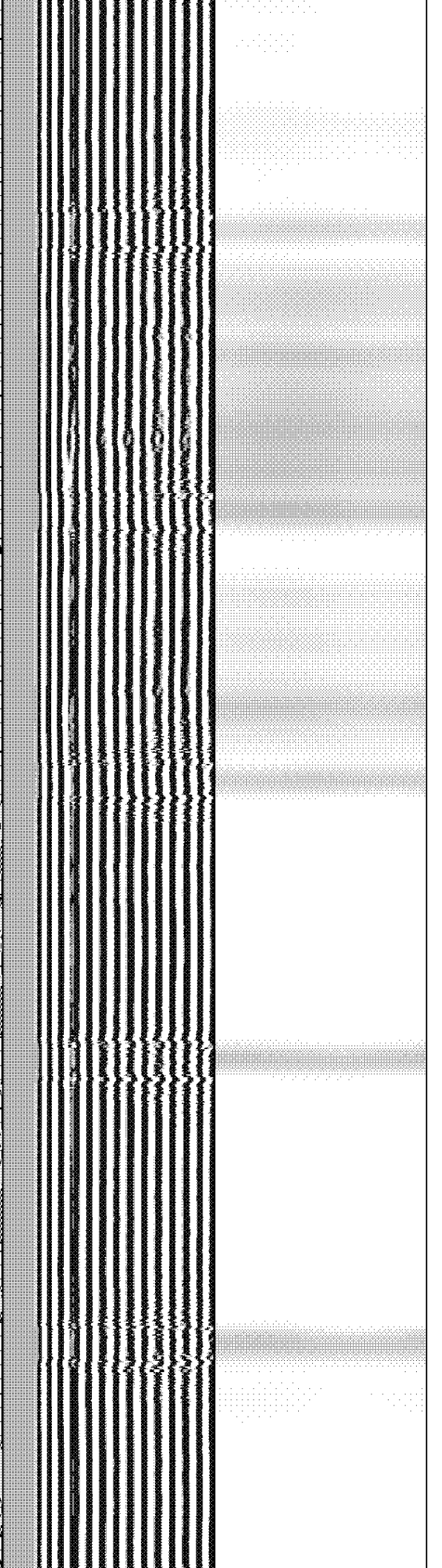
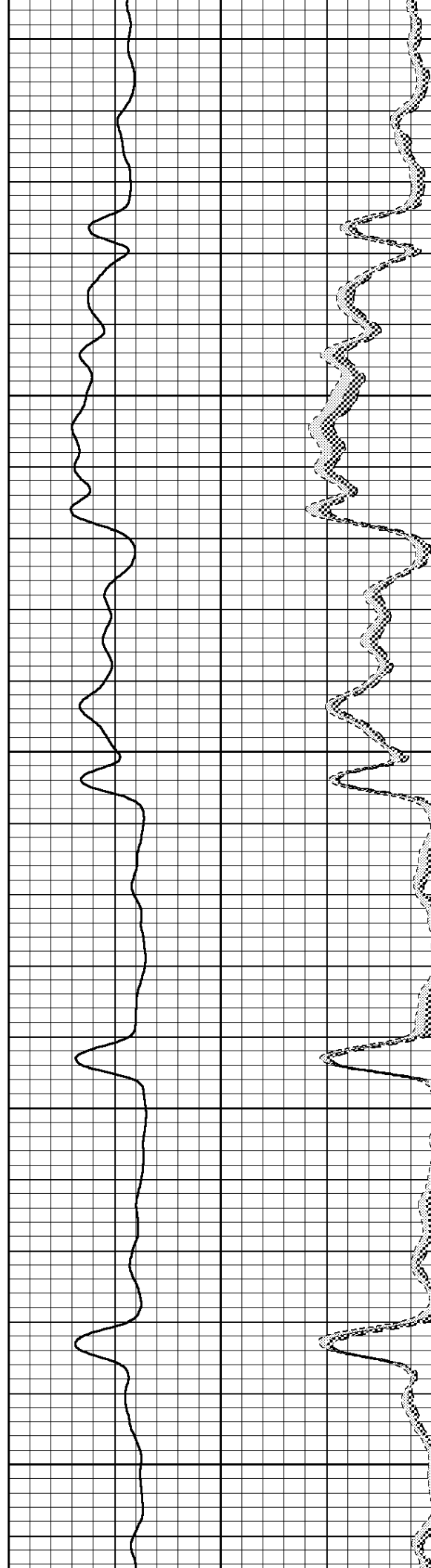
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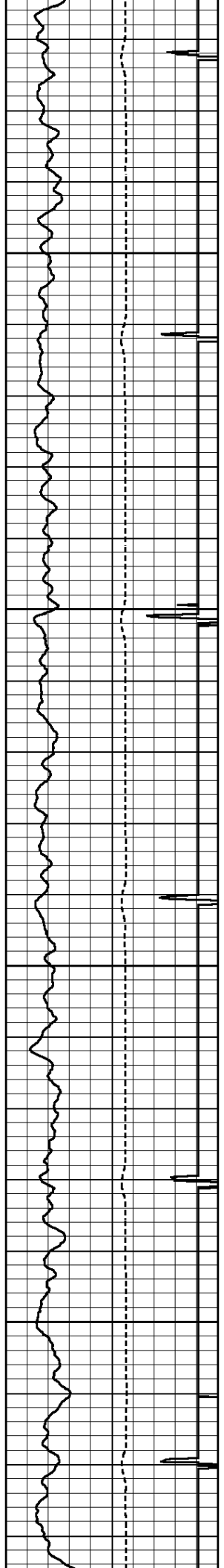




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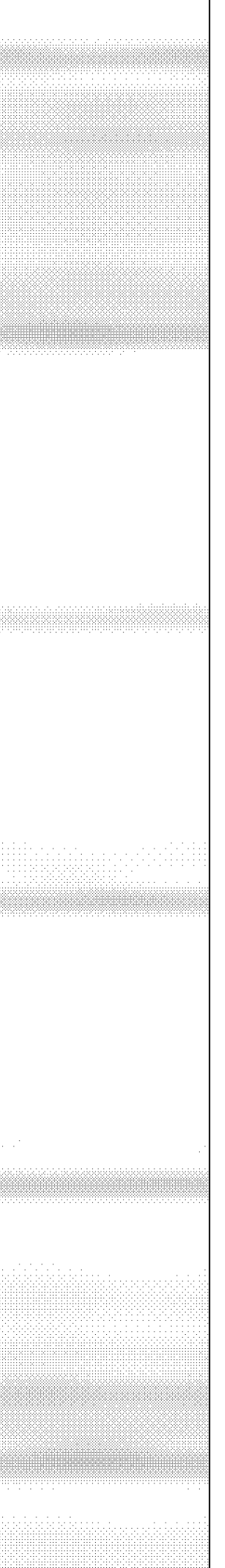
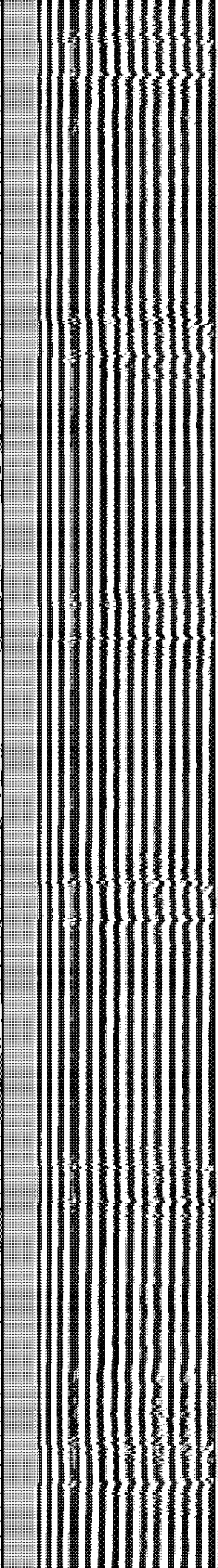
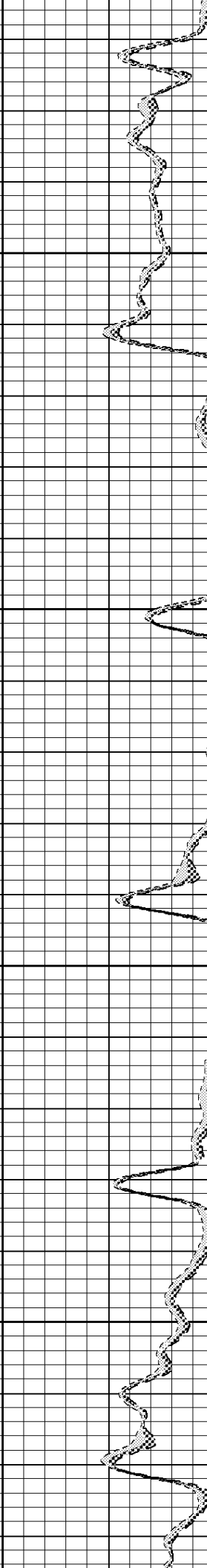
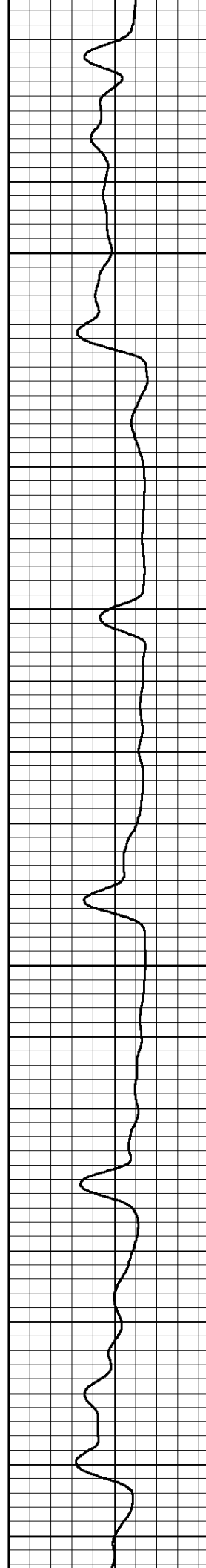
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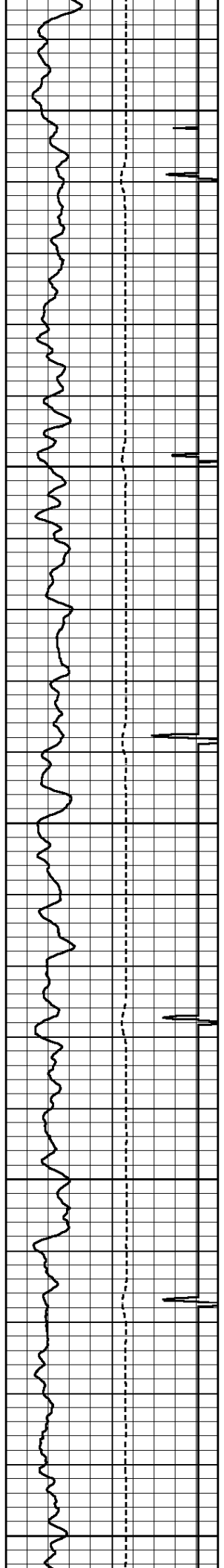




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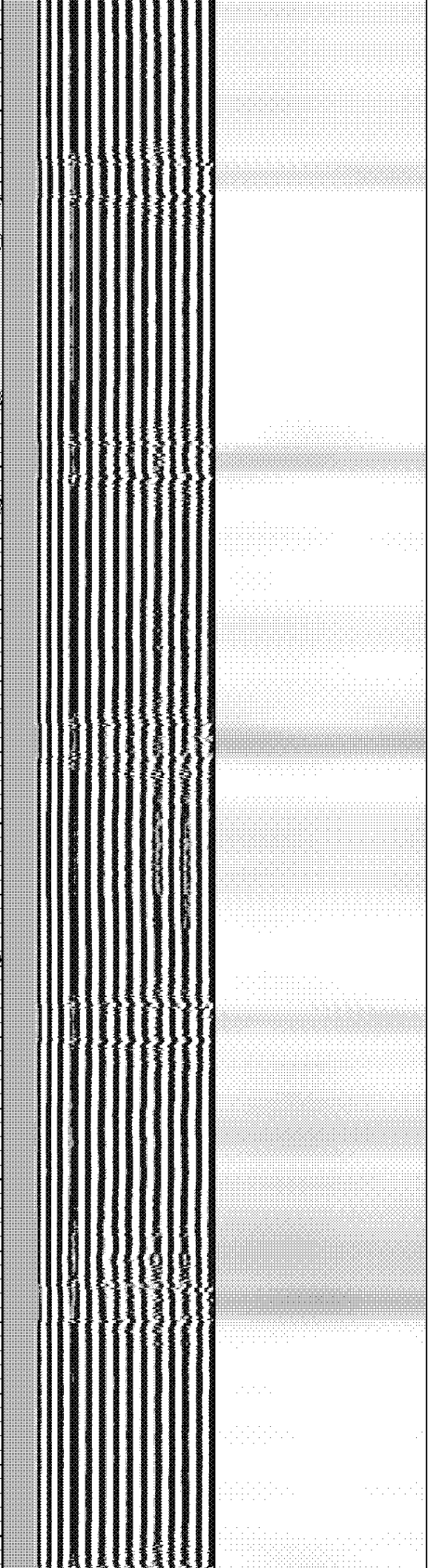
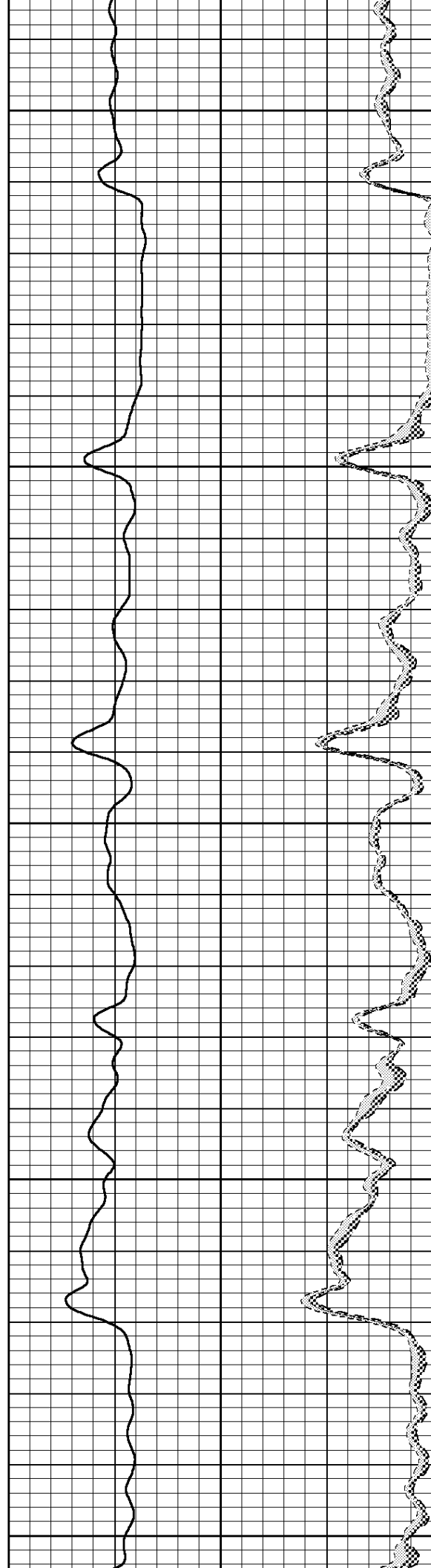


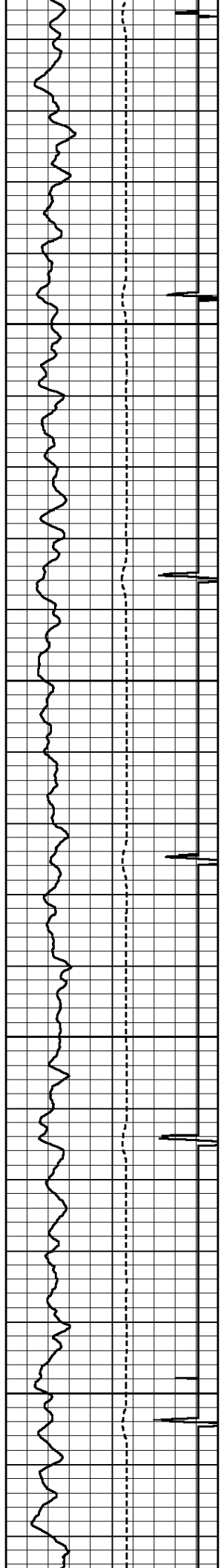


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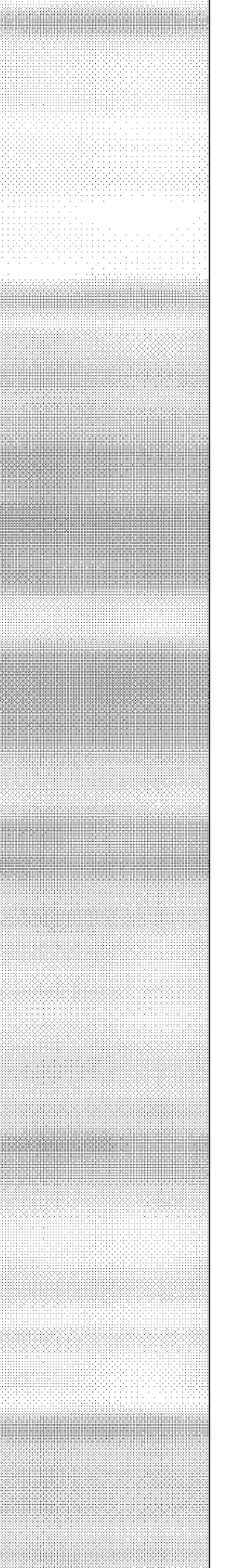
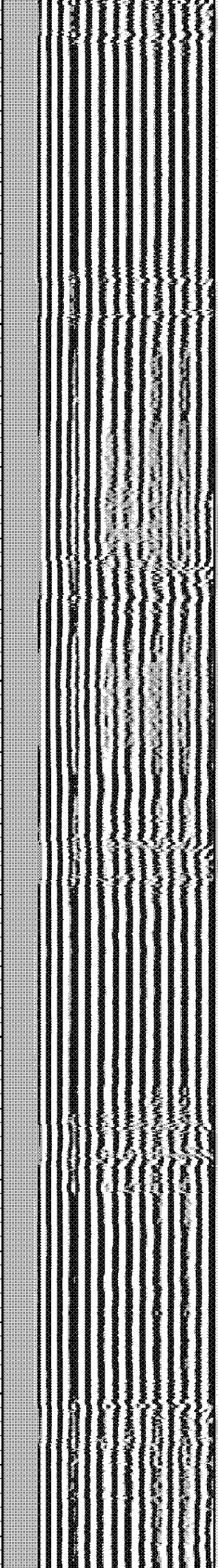
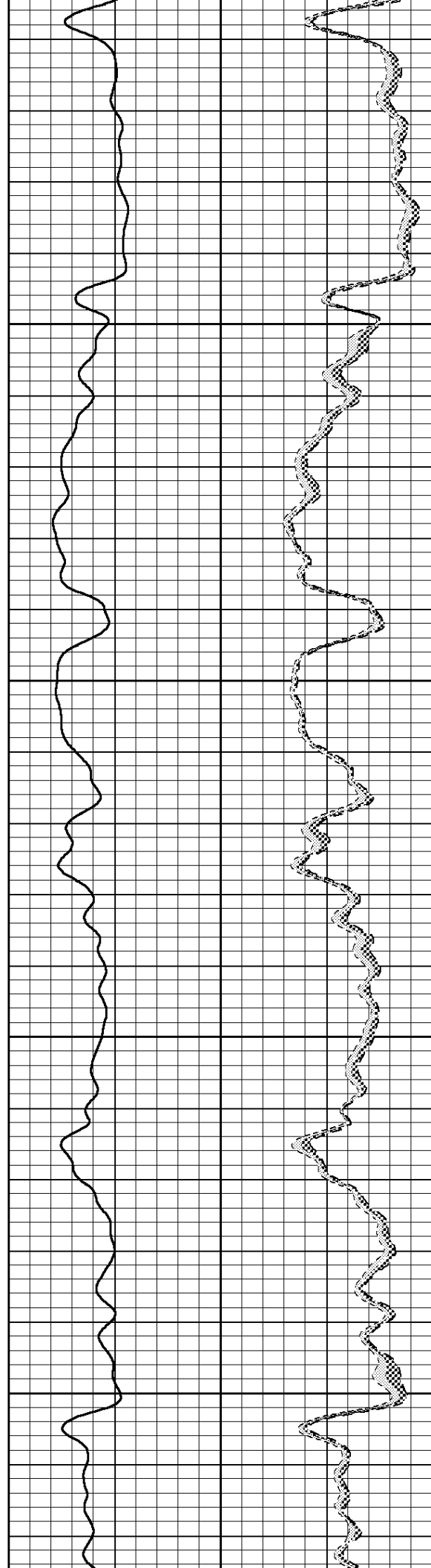
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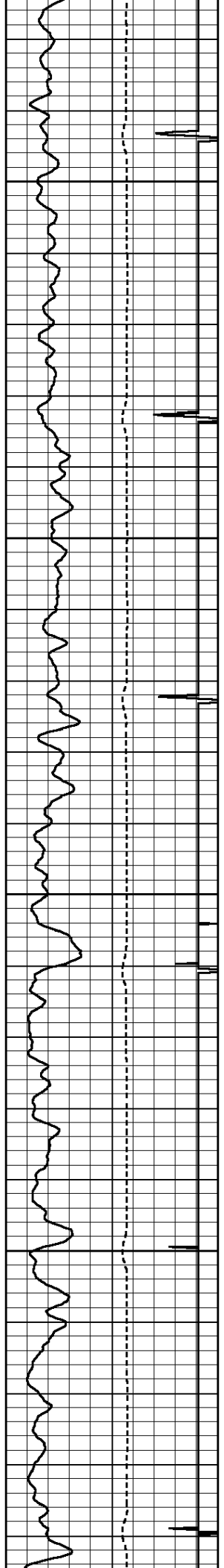




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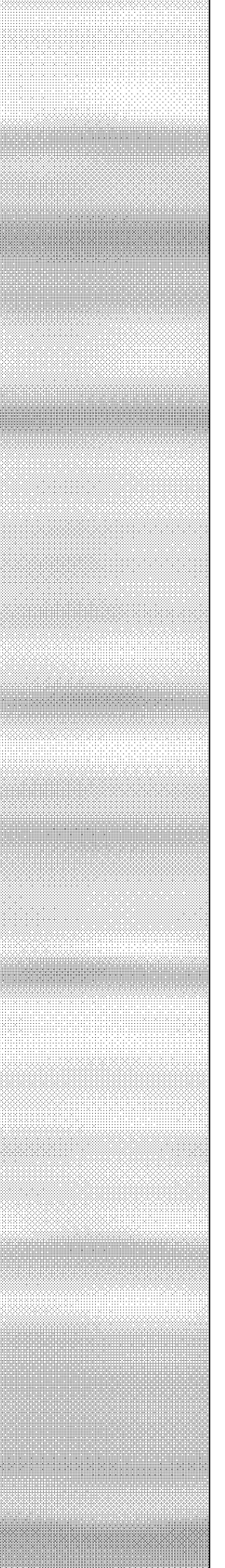
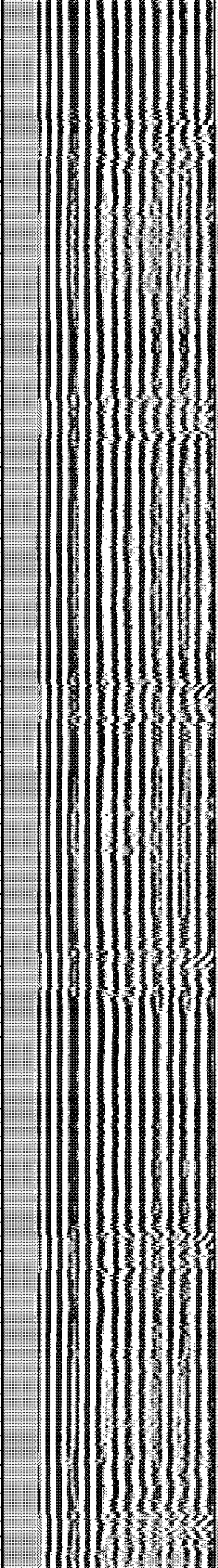
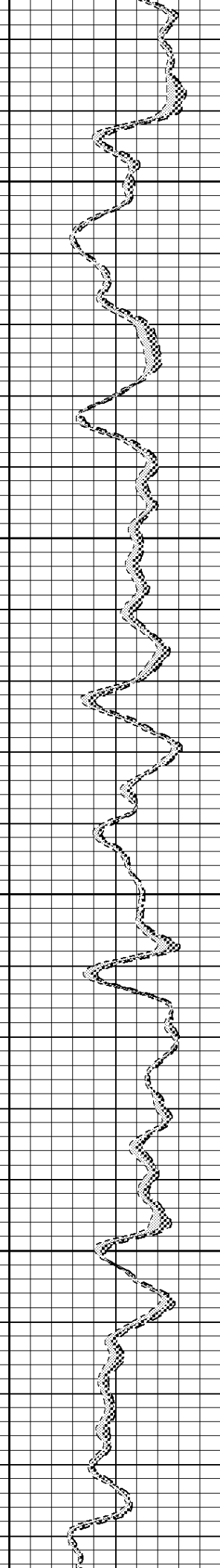
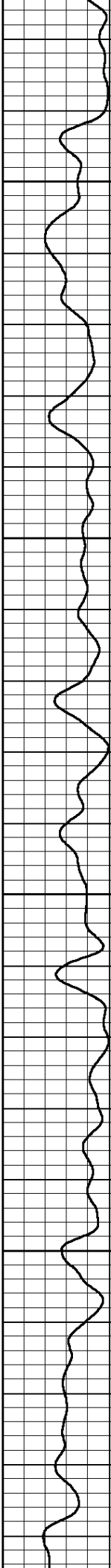
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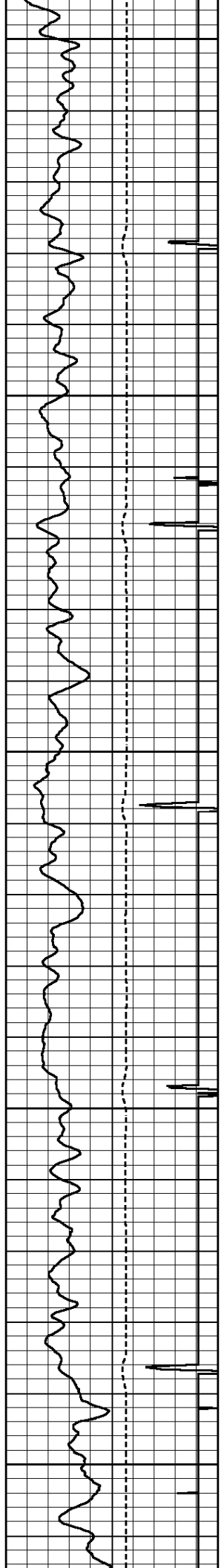




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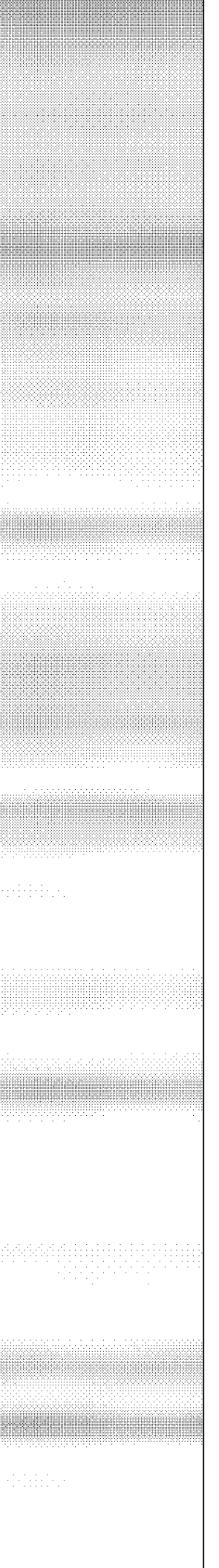
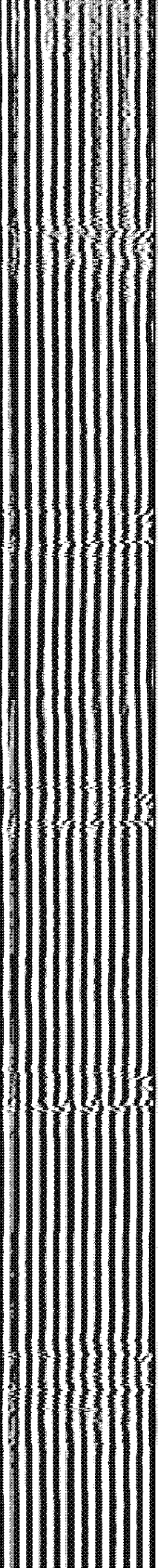
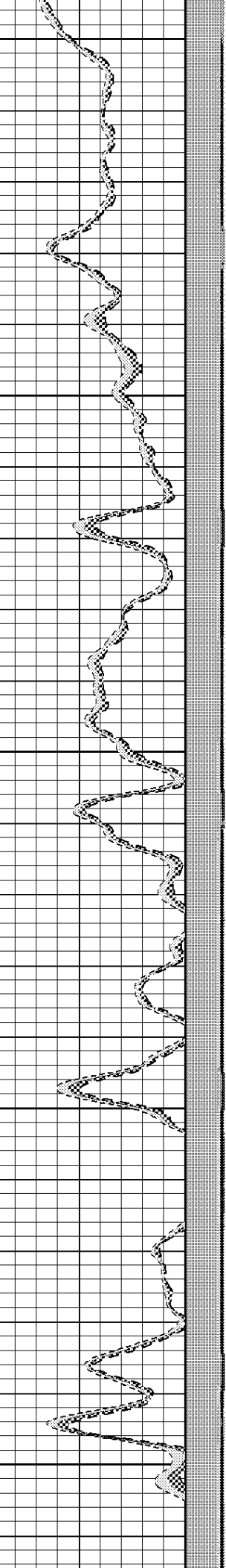
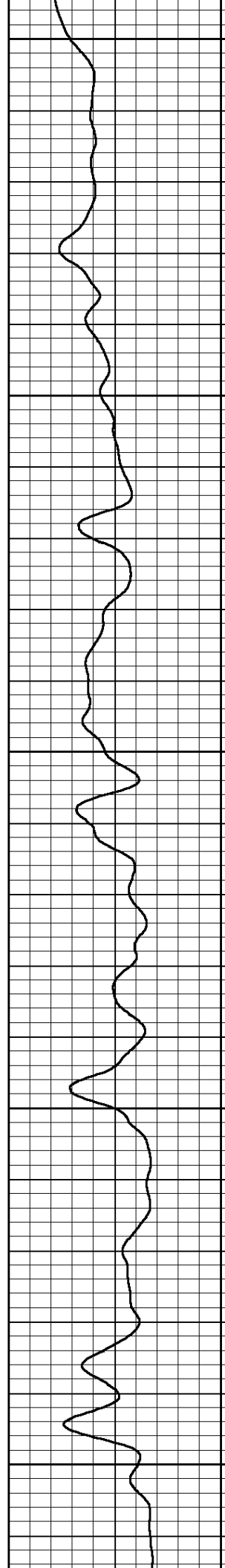
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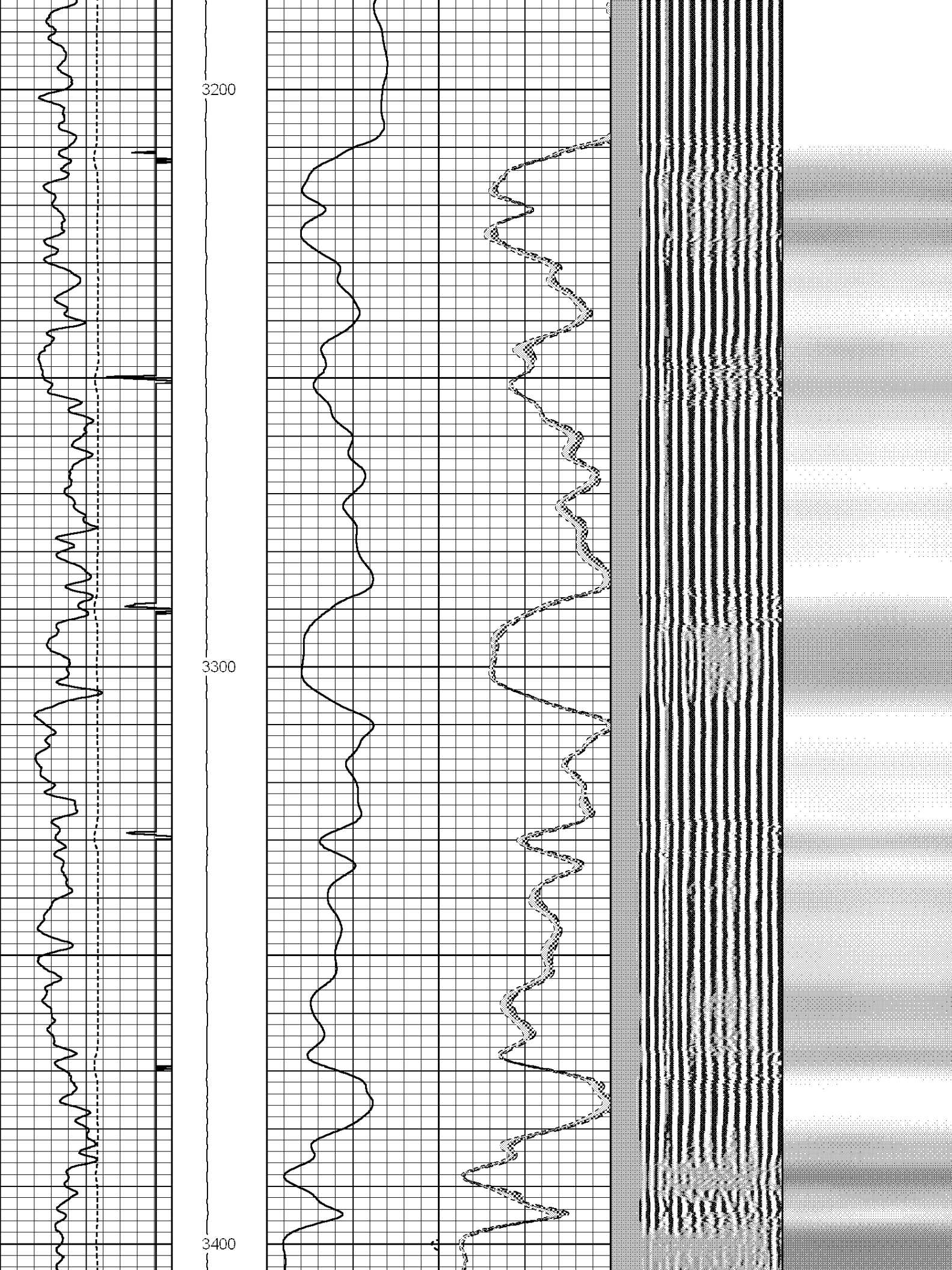
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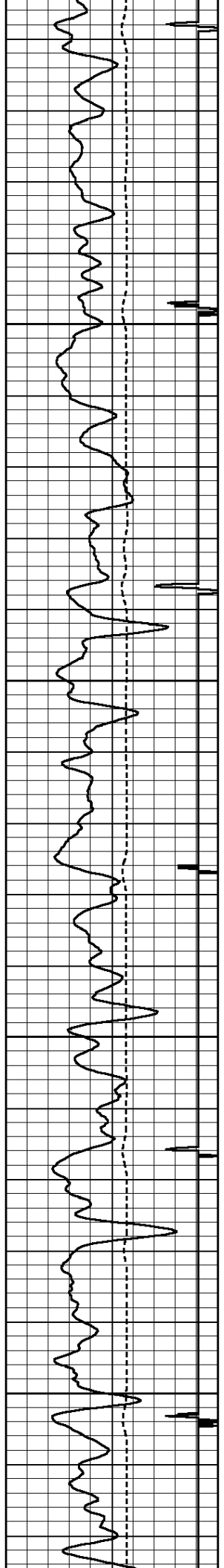
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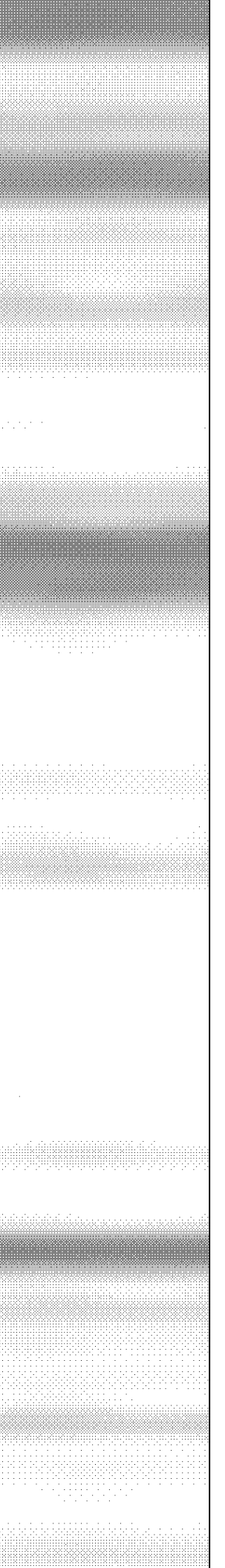
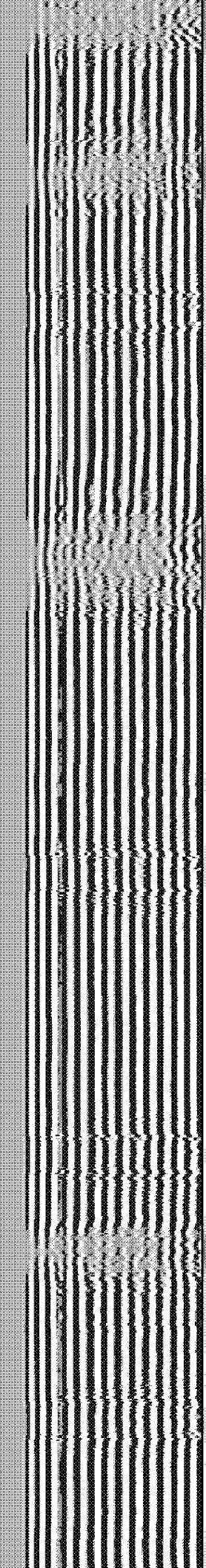
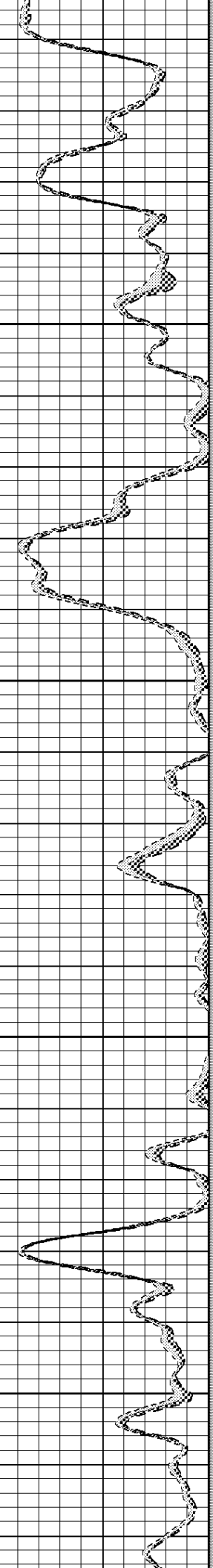
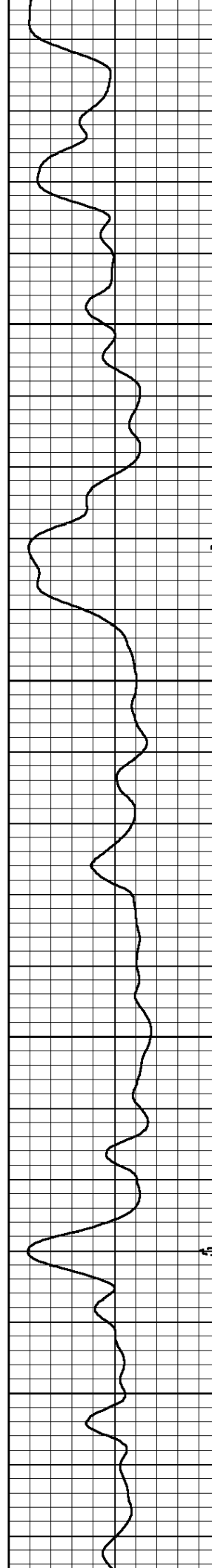


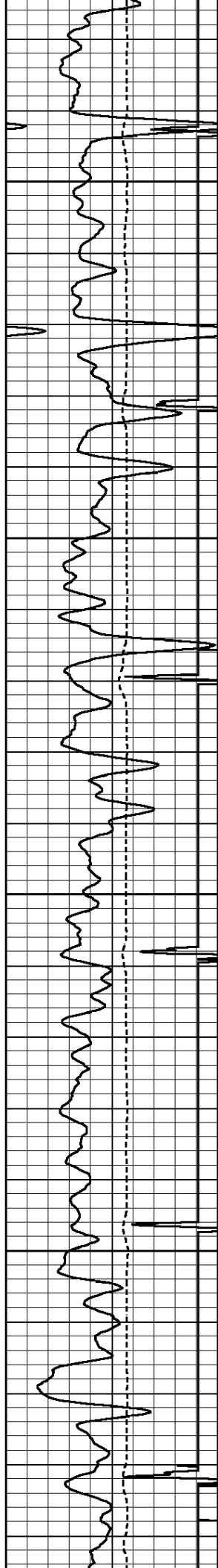




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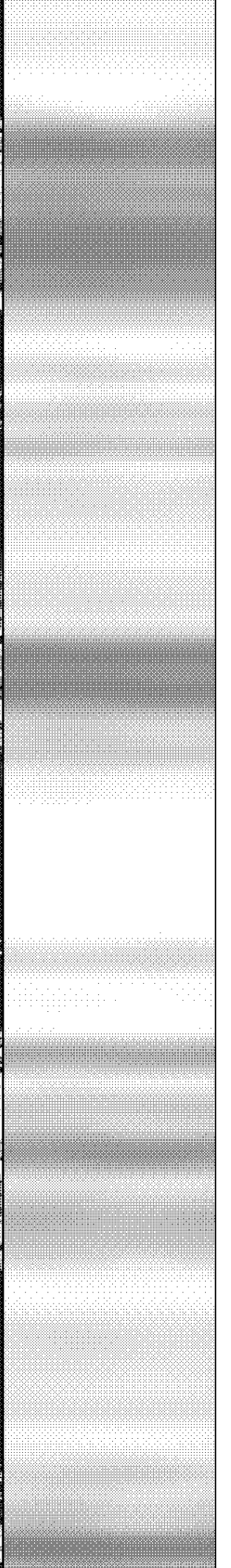
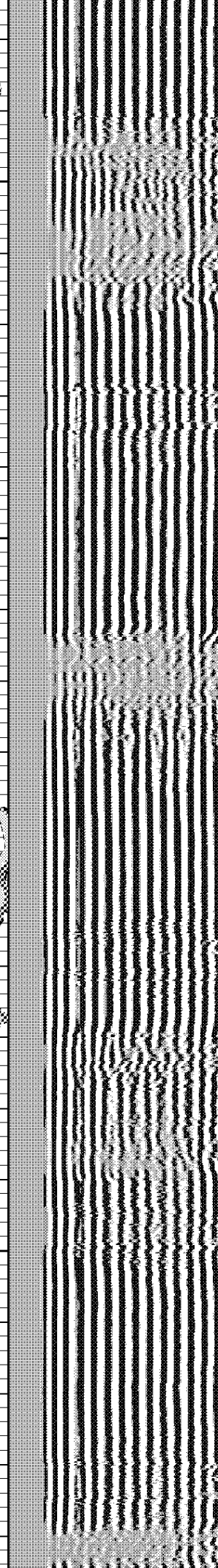
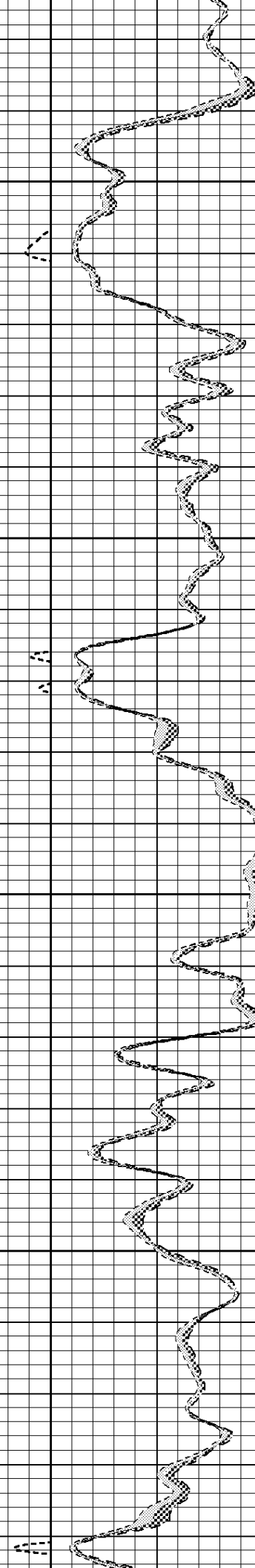
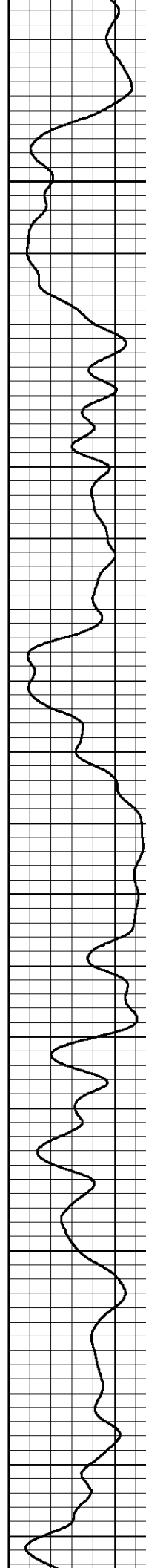
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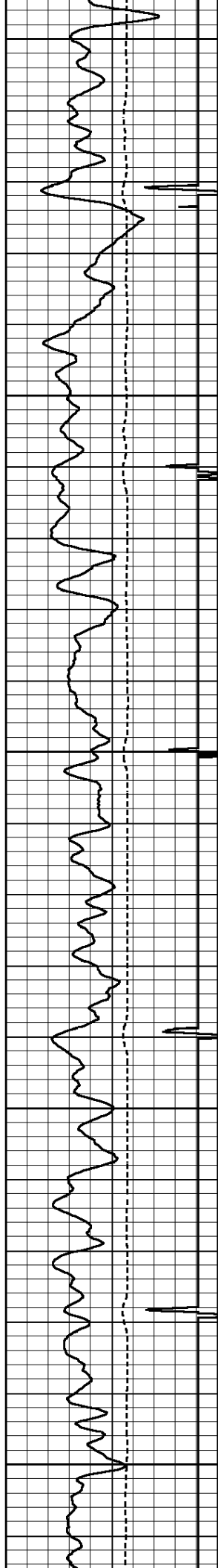




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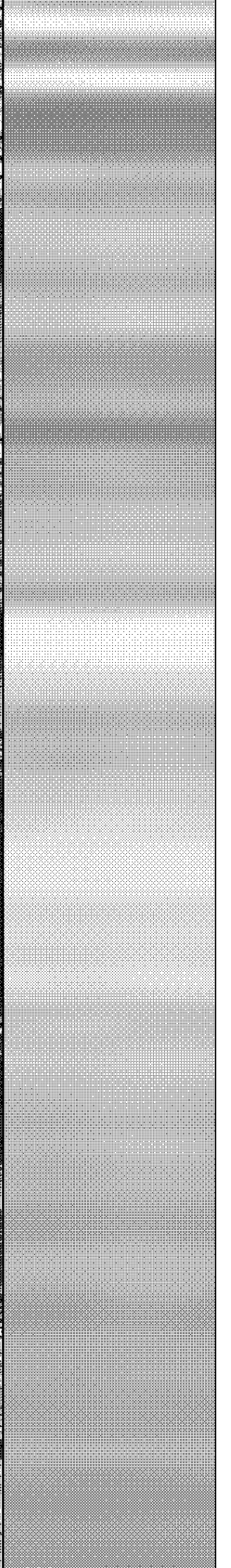
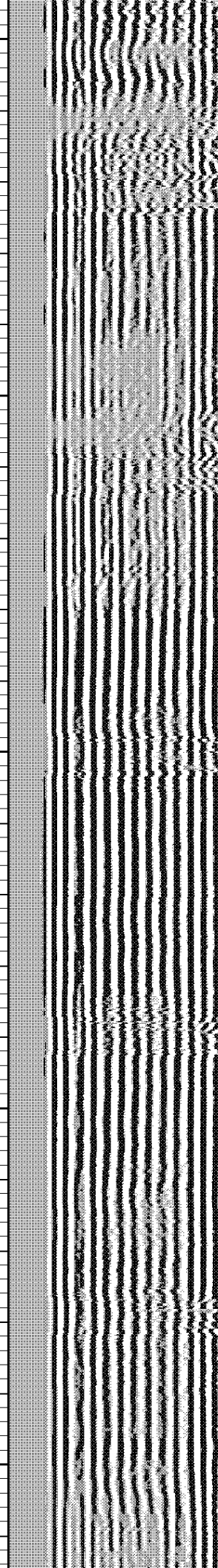
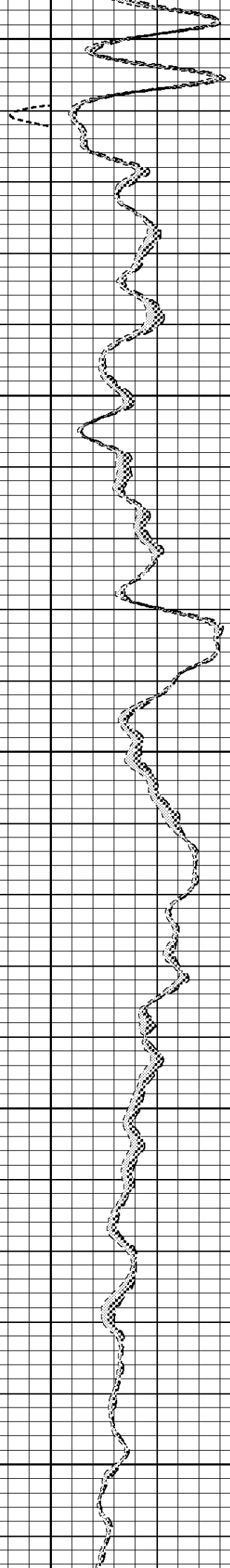
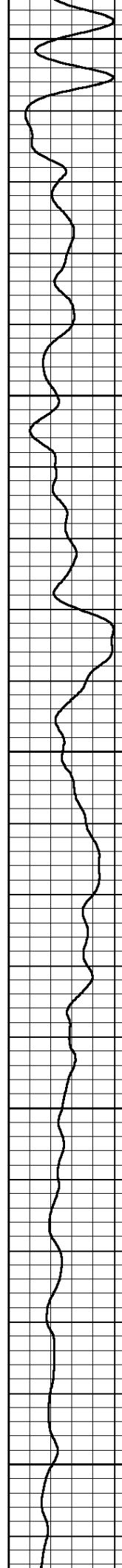
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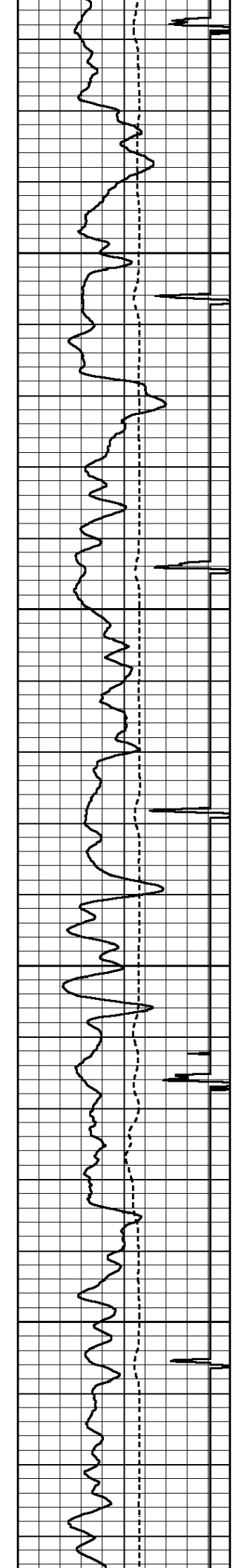




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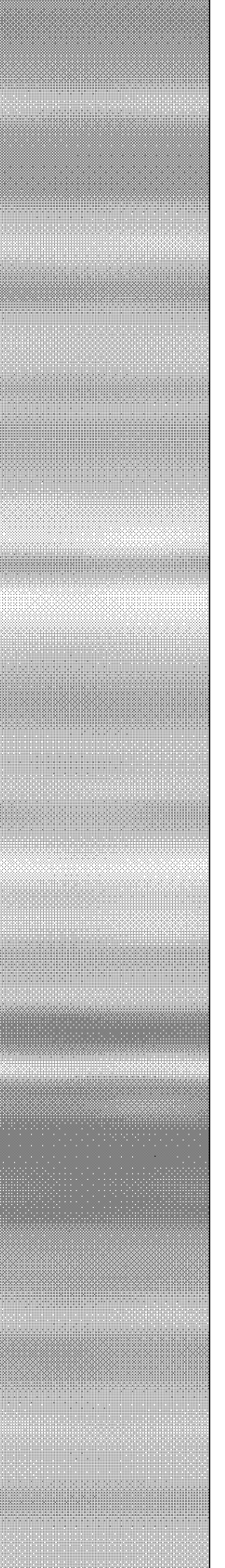
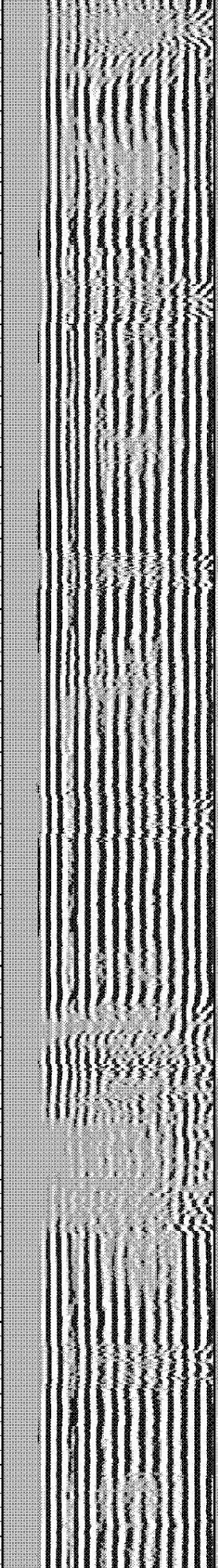
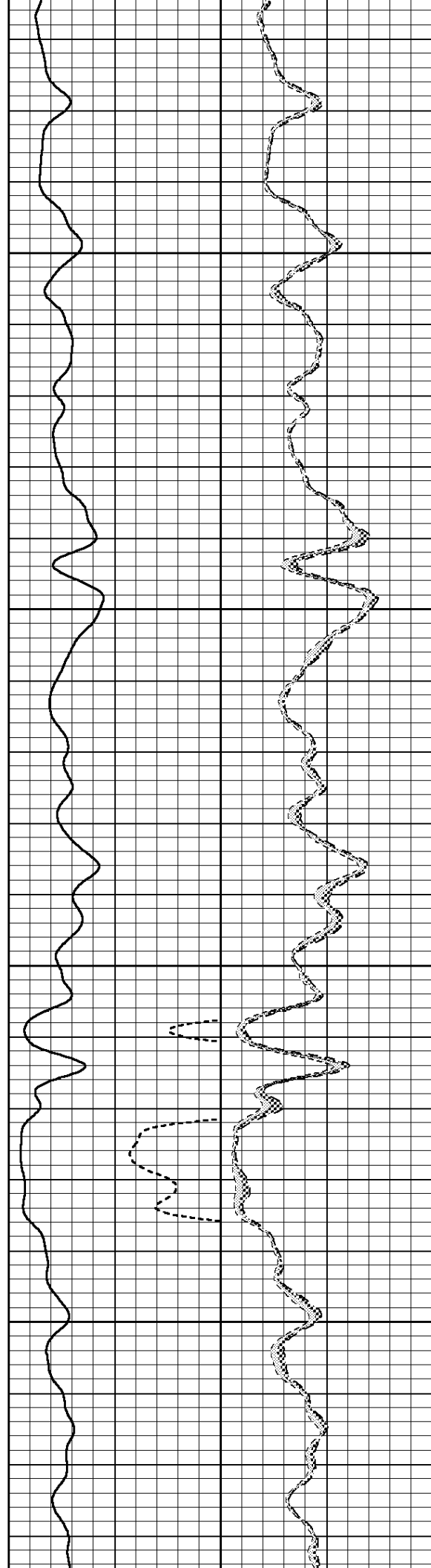
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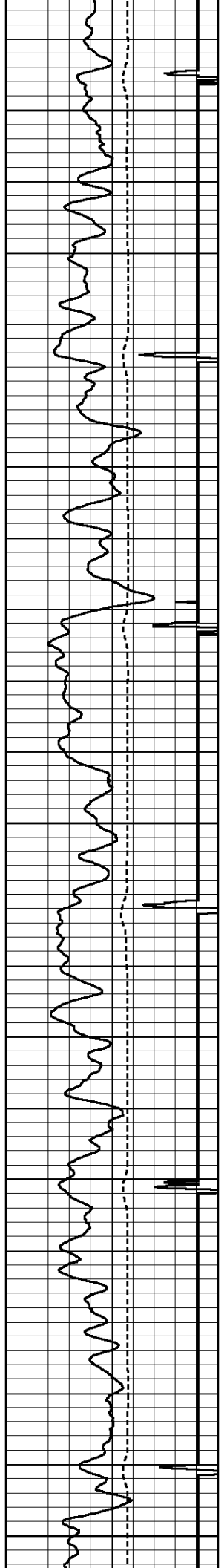




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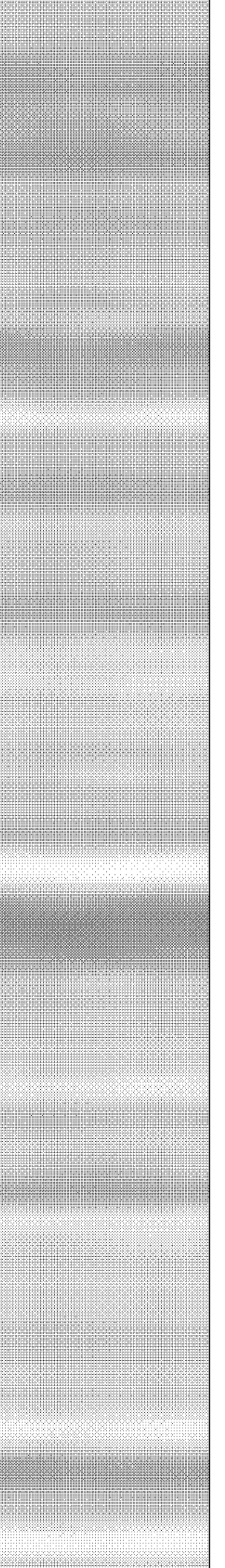
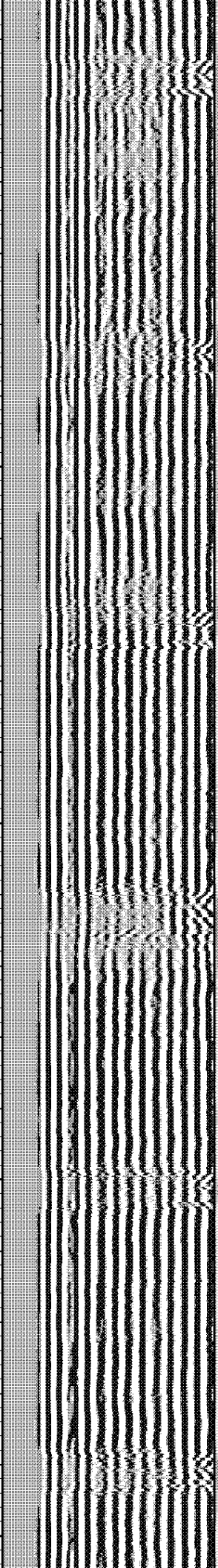
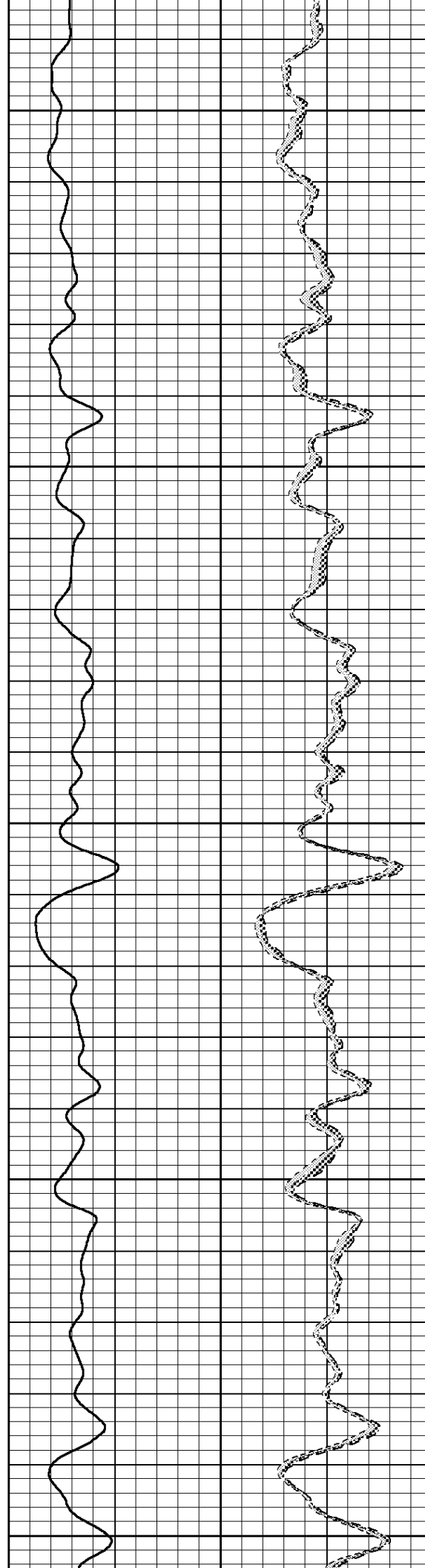


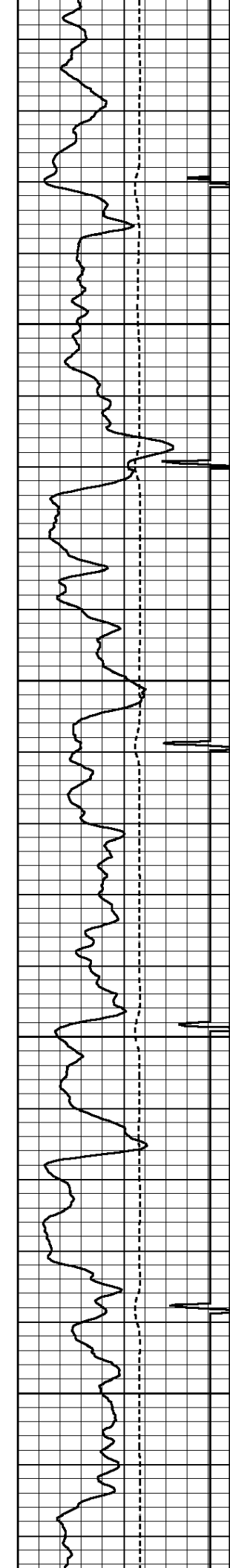


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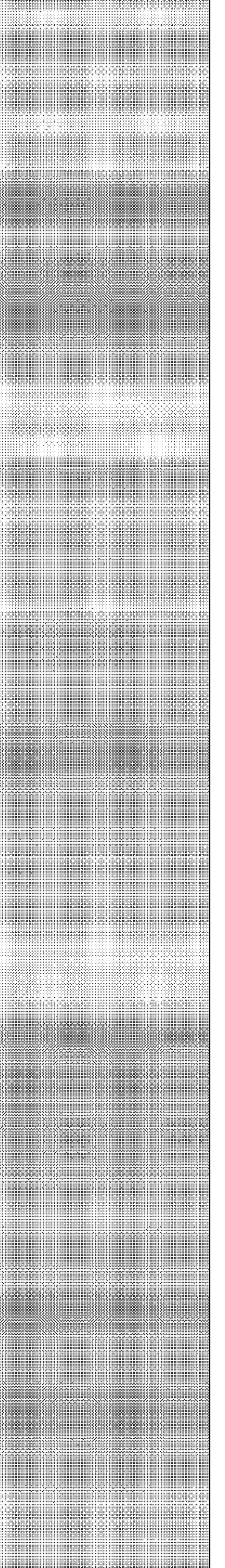
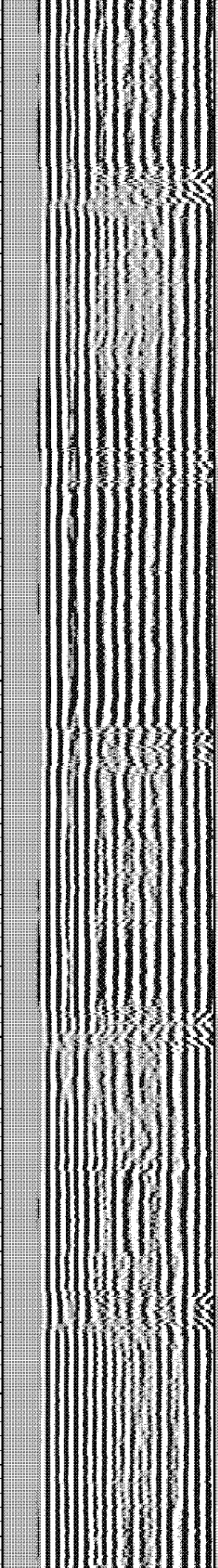
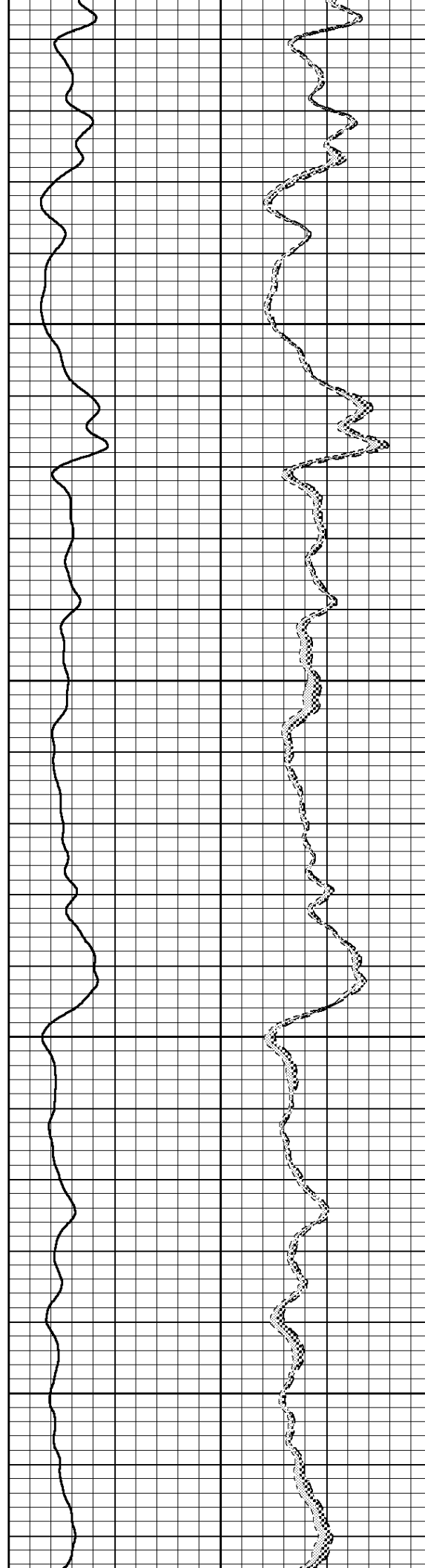
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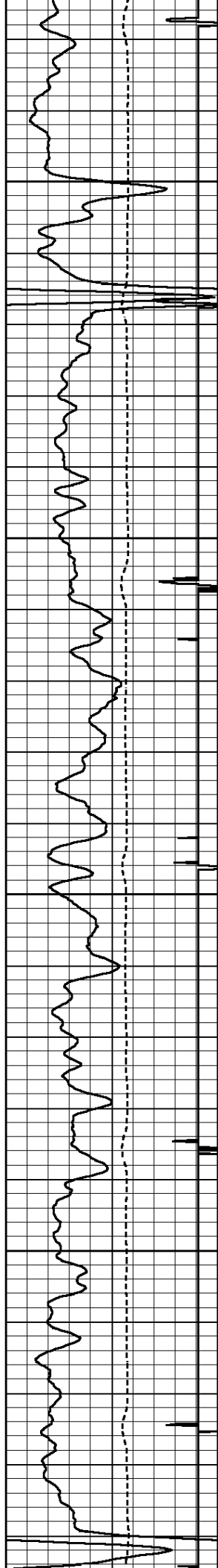




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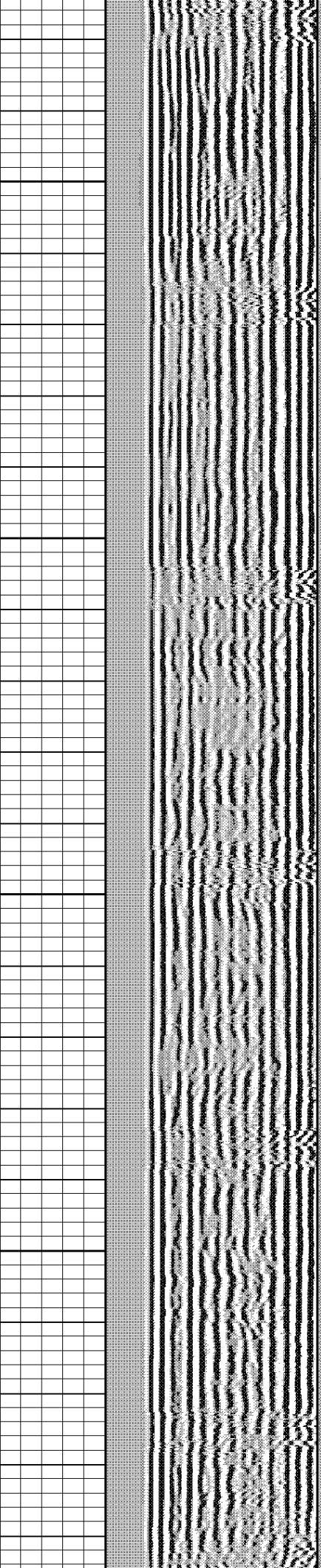
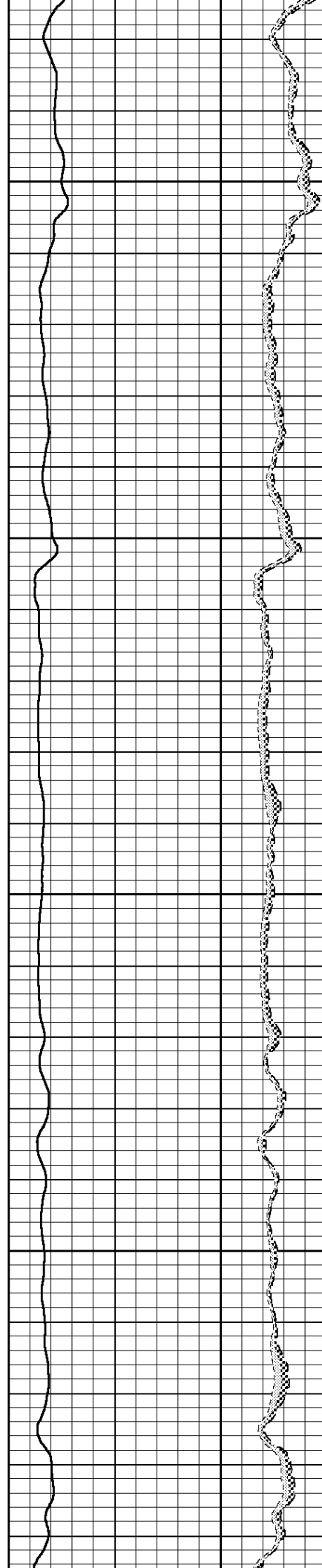
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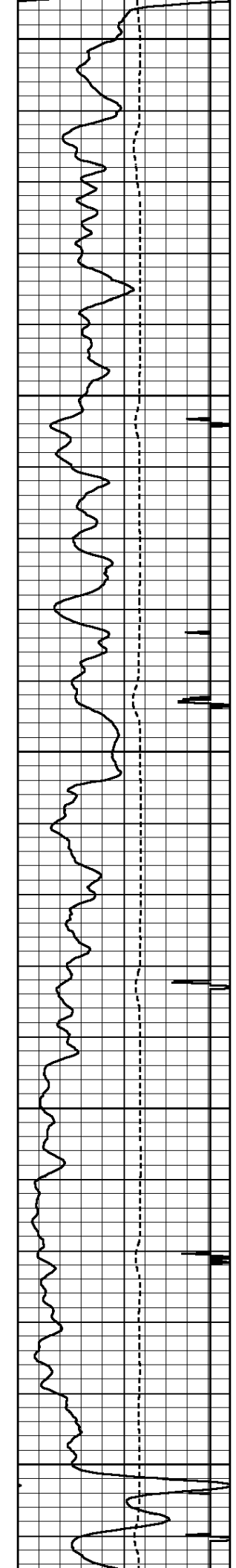


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4900

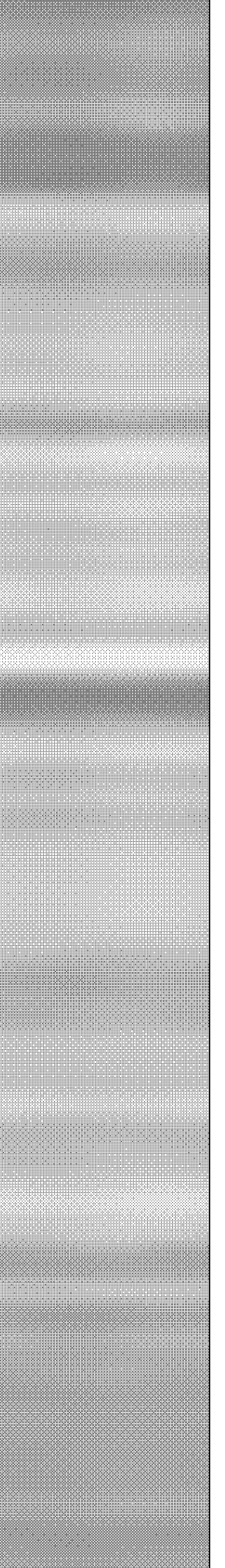
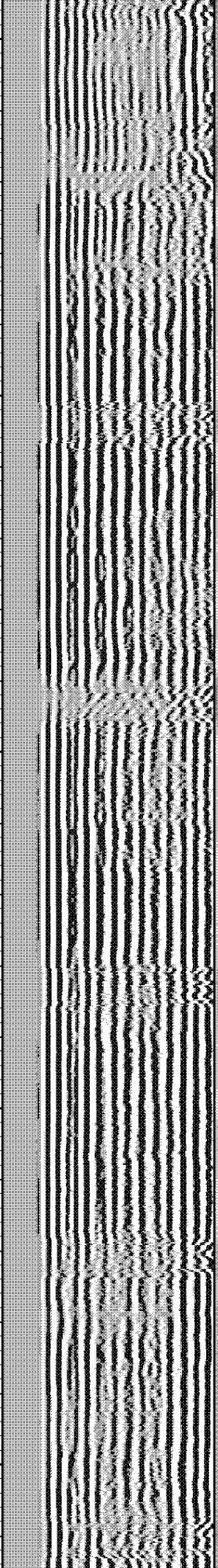
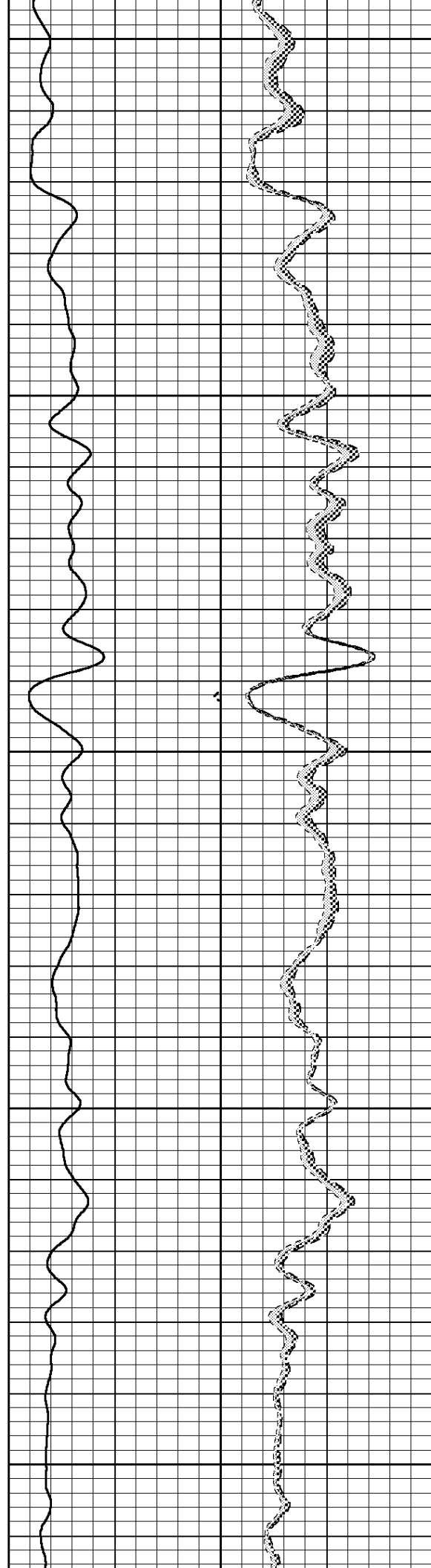


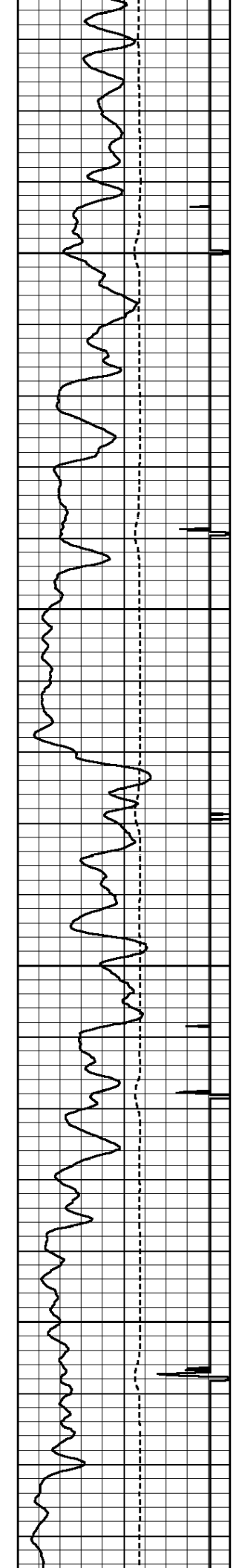




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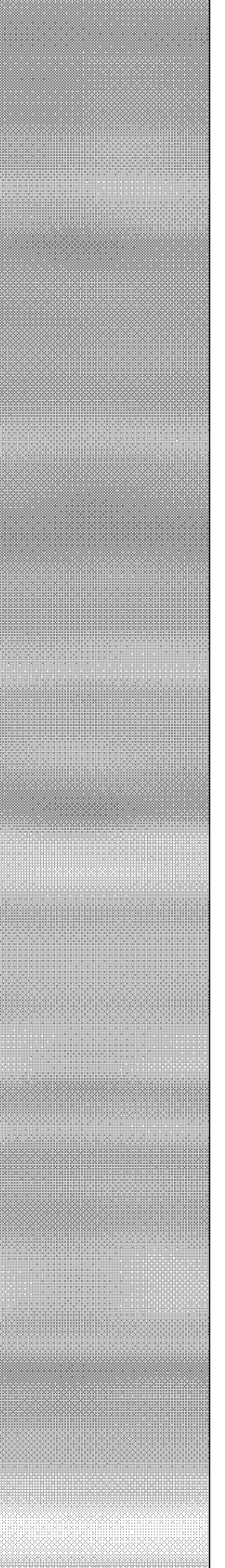
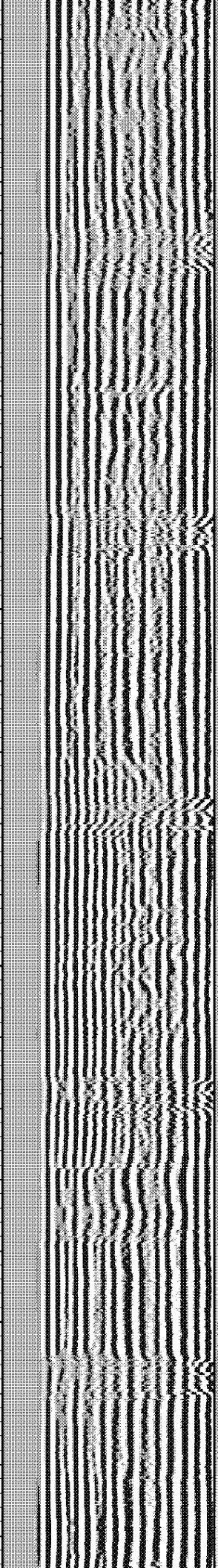
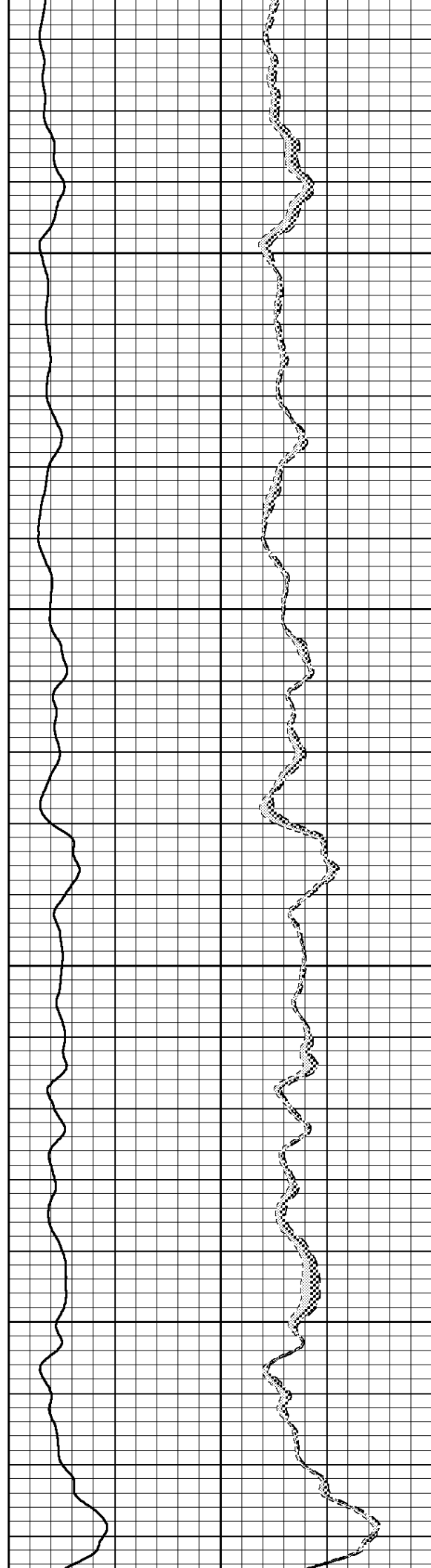
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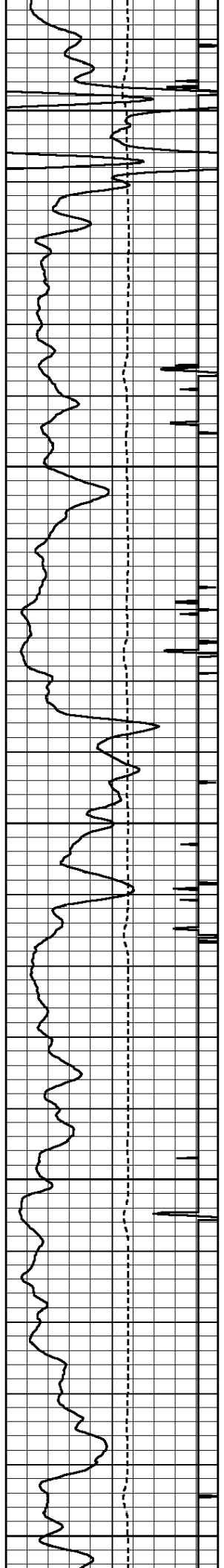




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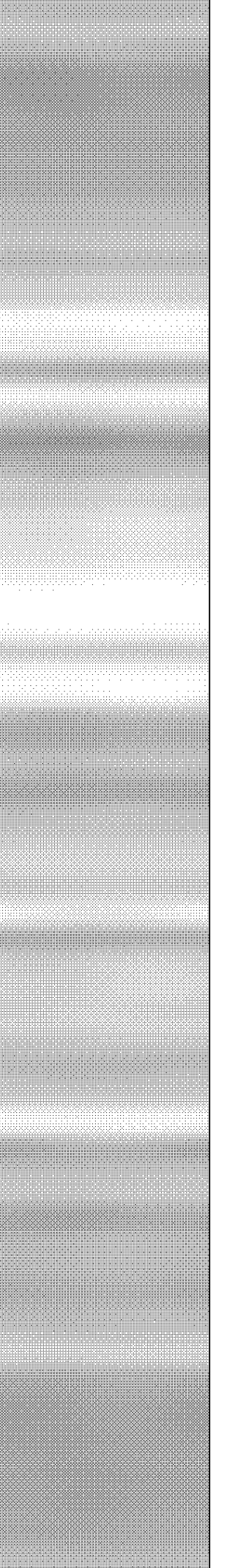
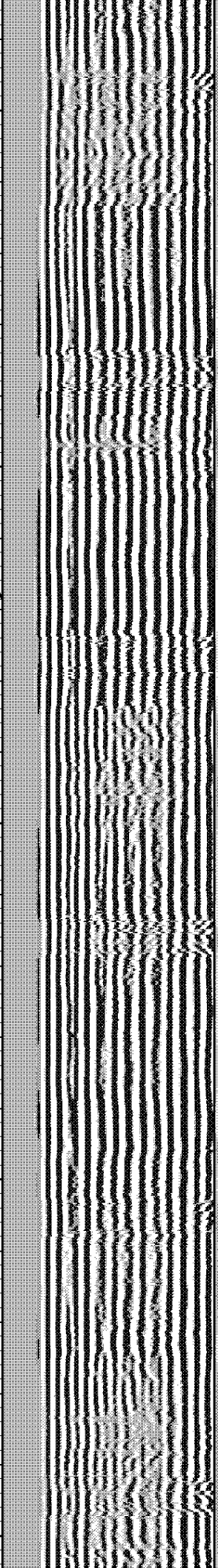
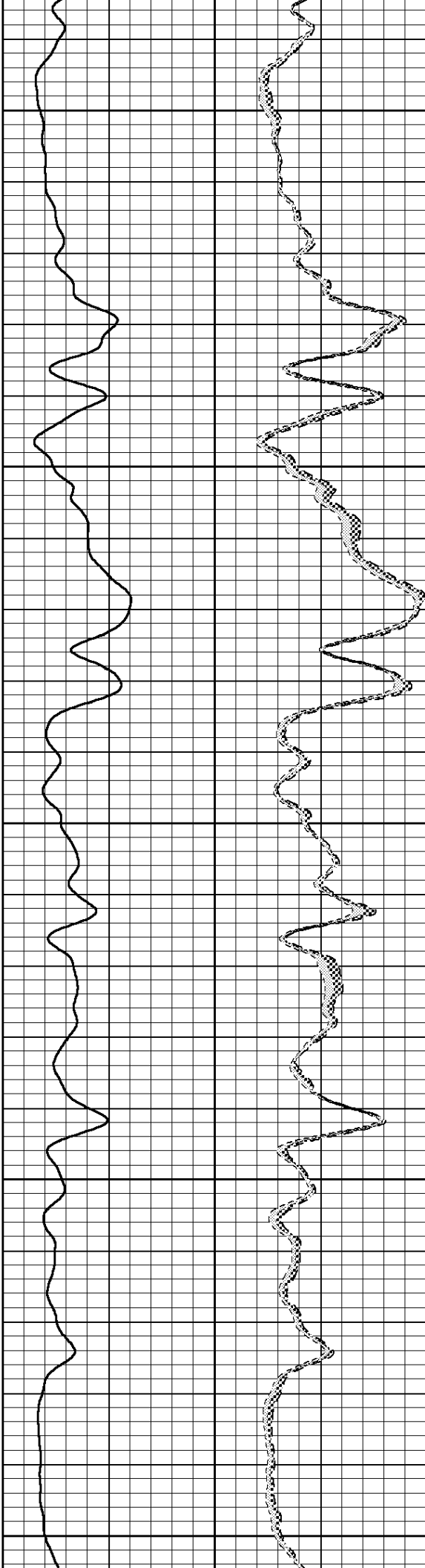


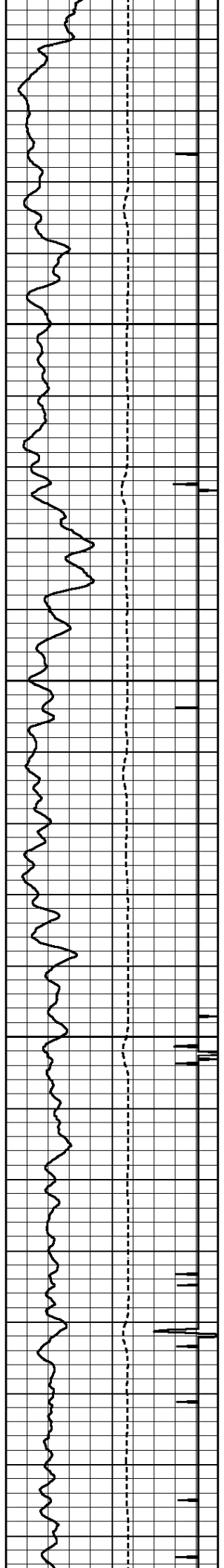


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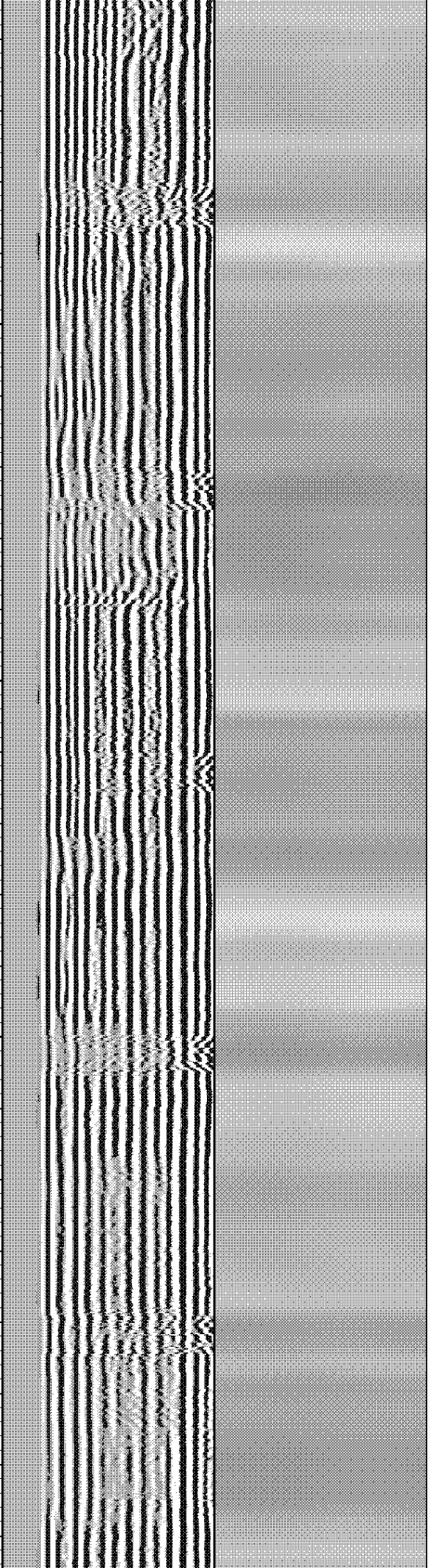
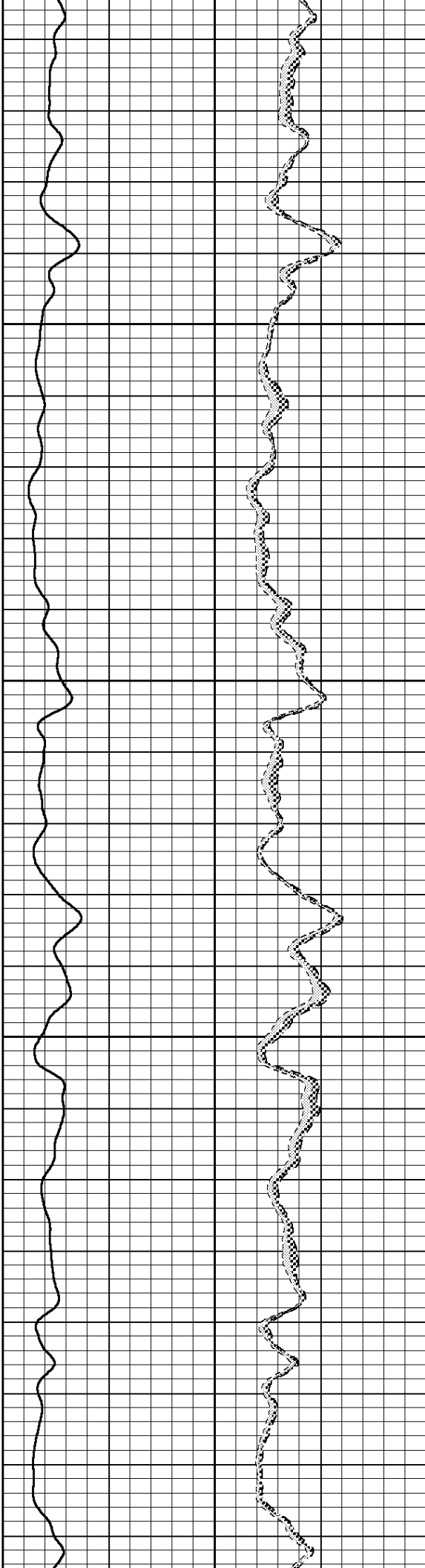
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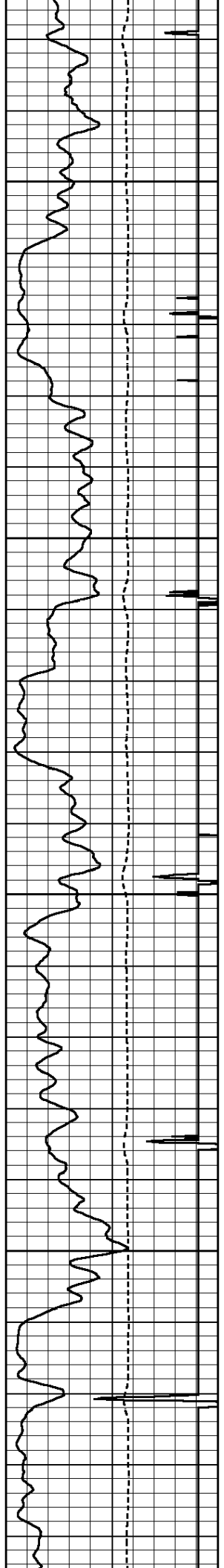




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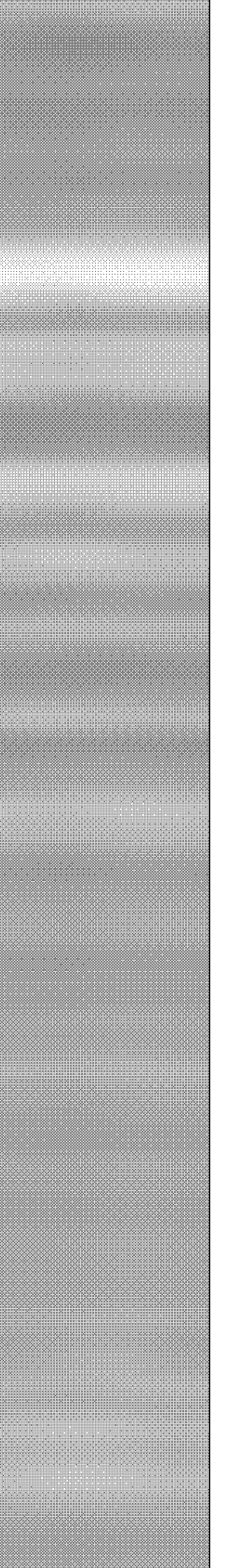
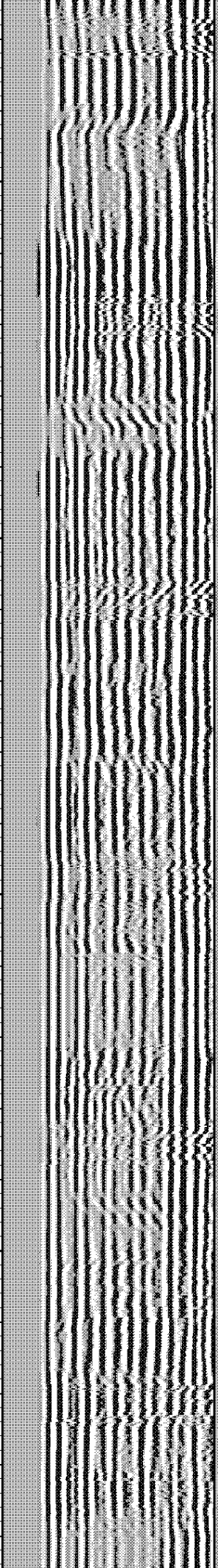
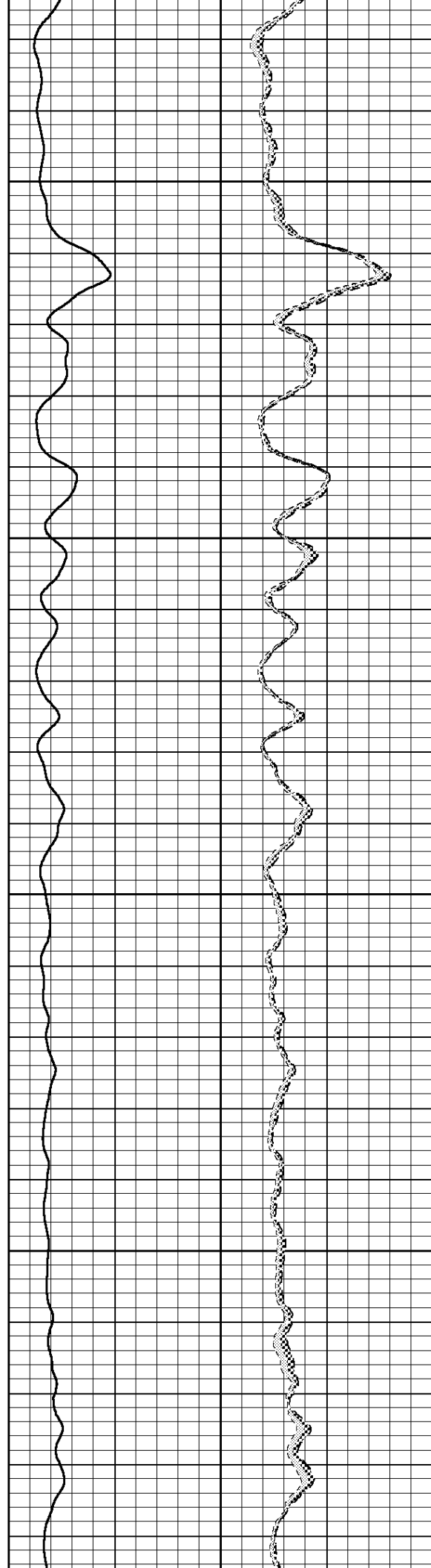
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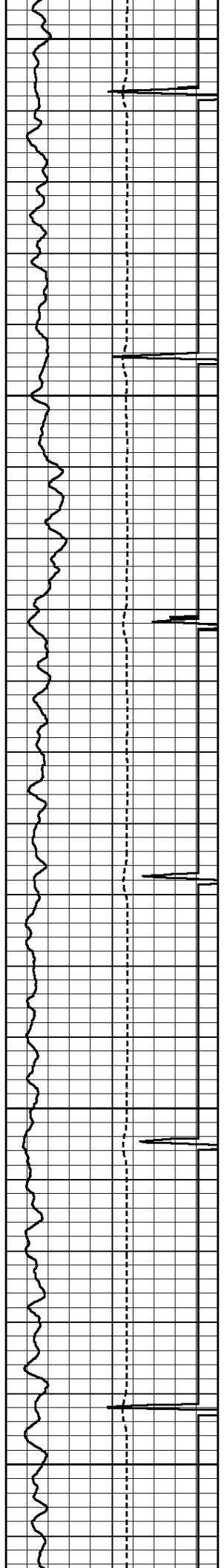




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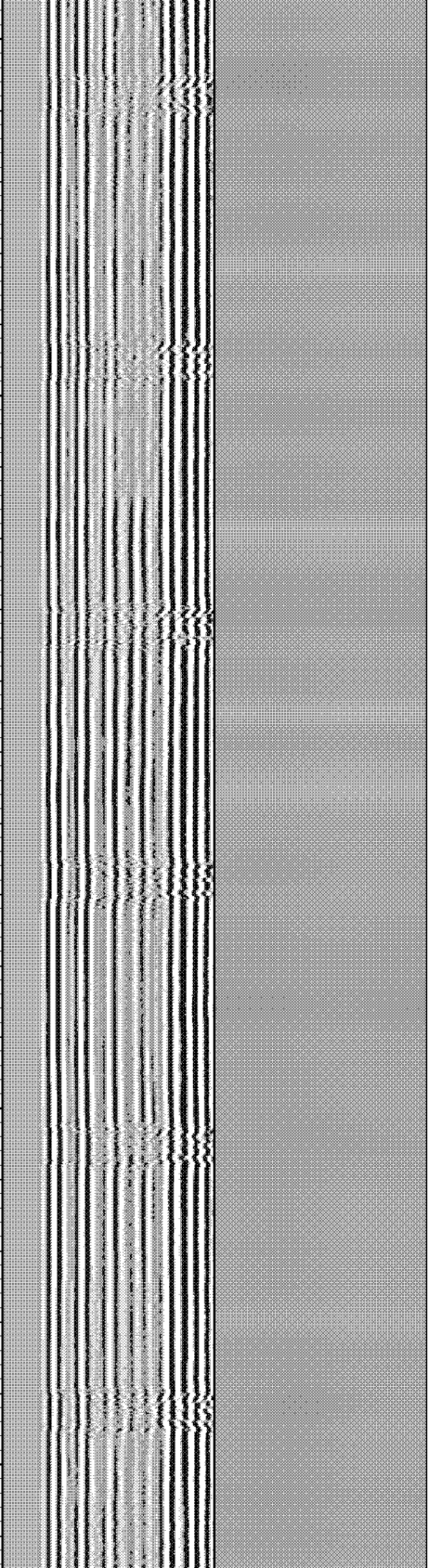
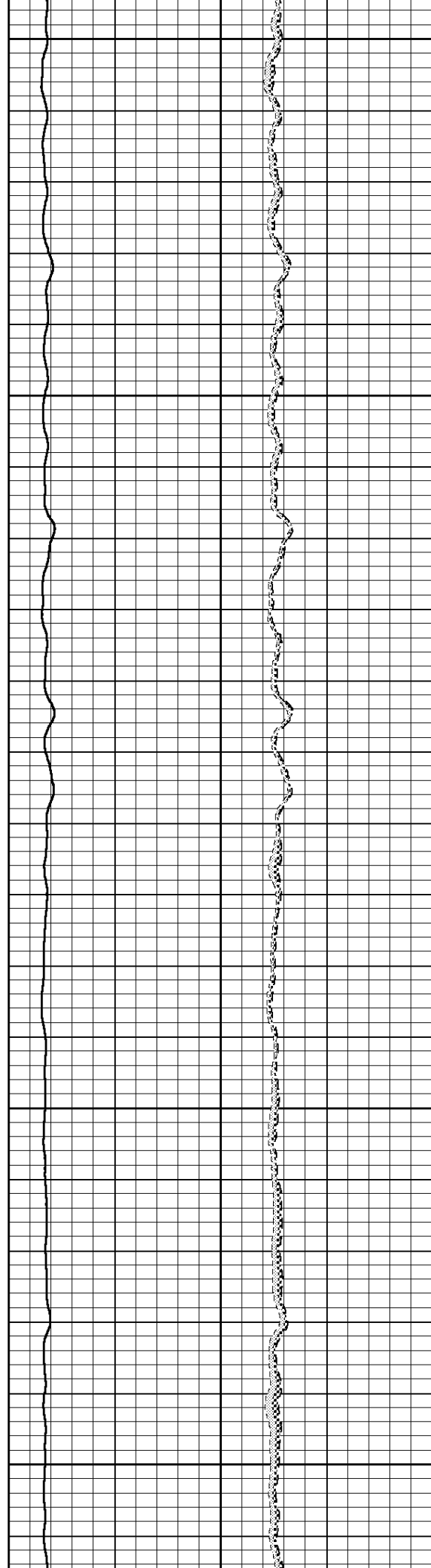
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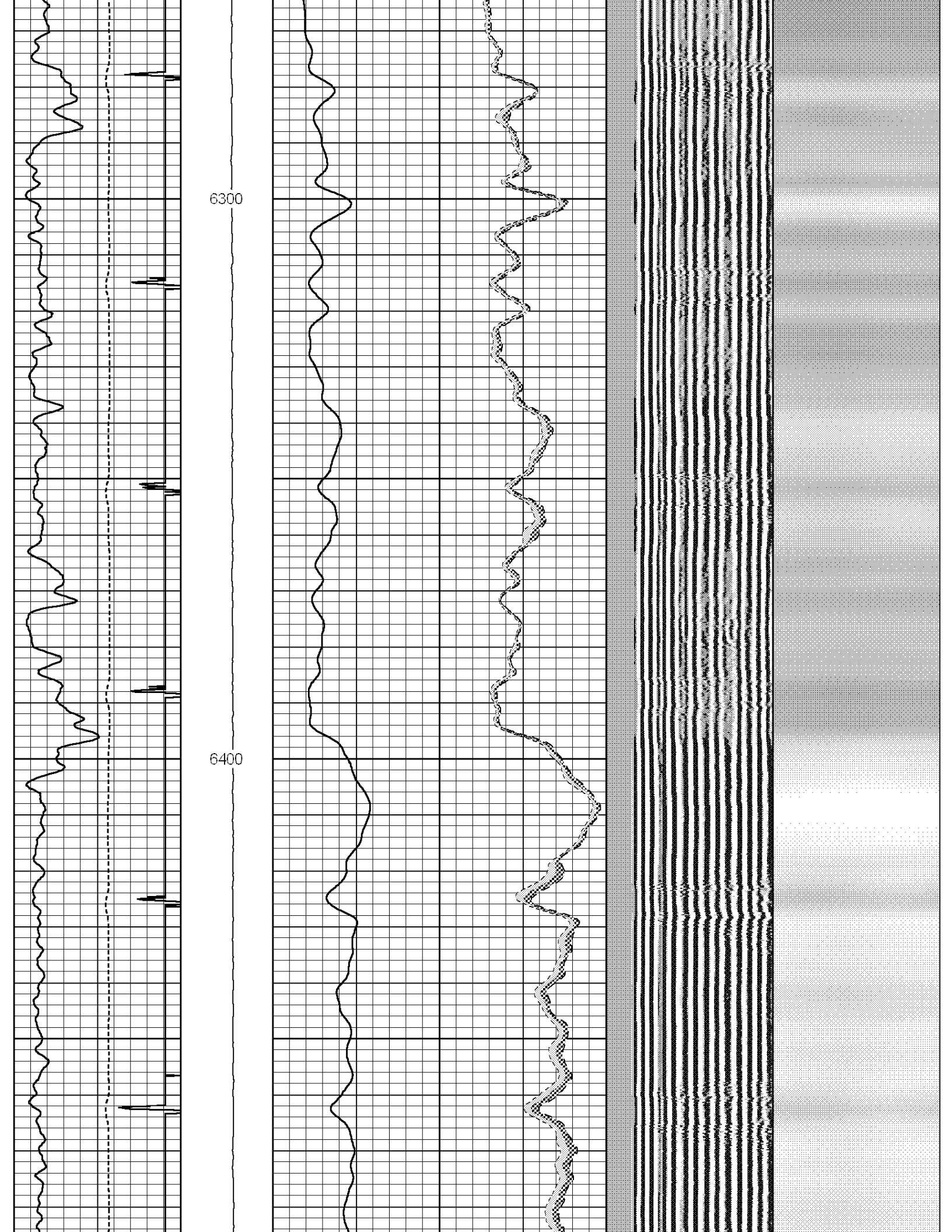


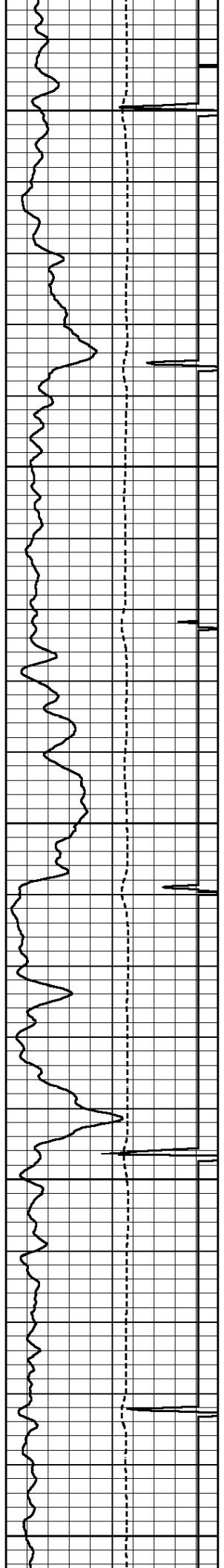


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6200



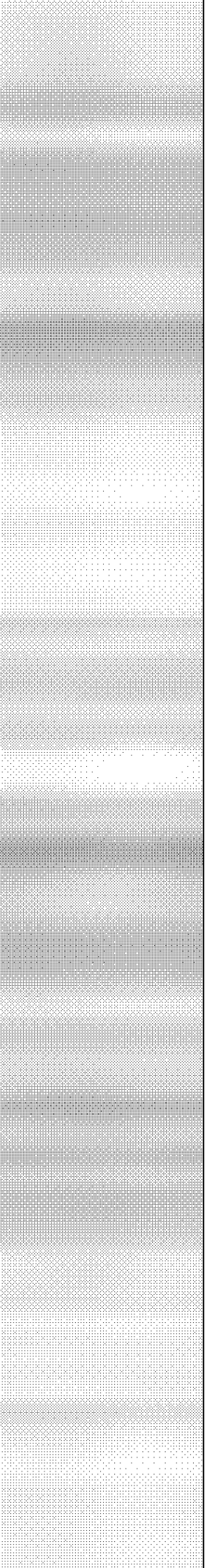
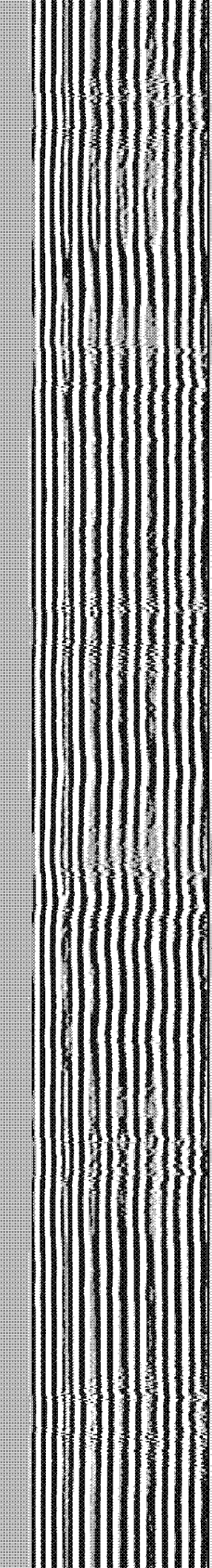
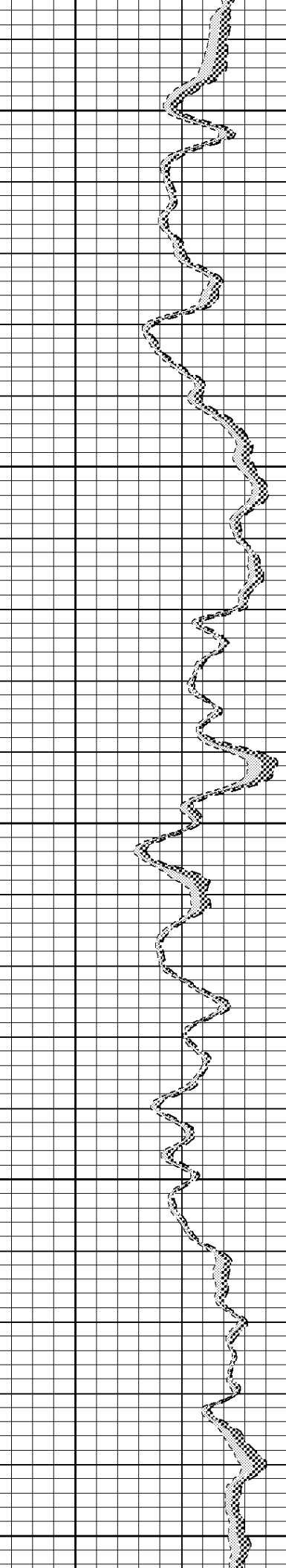
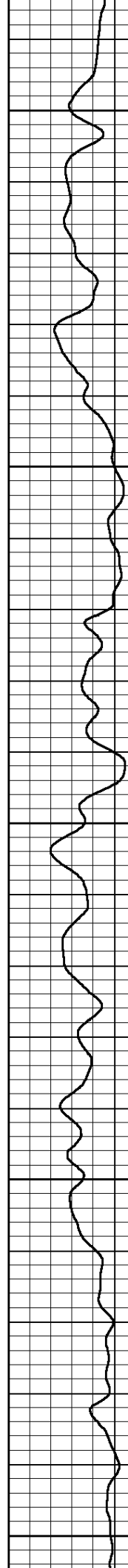




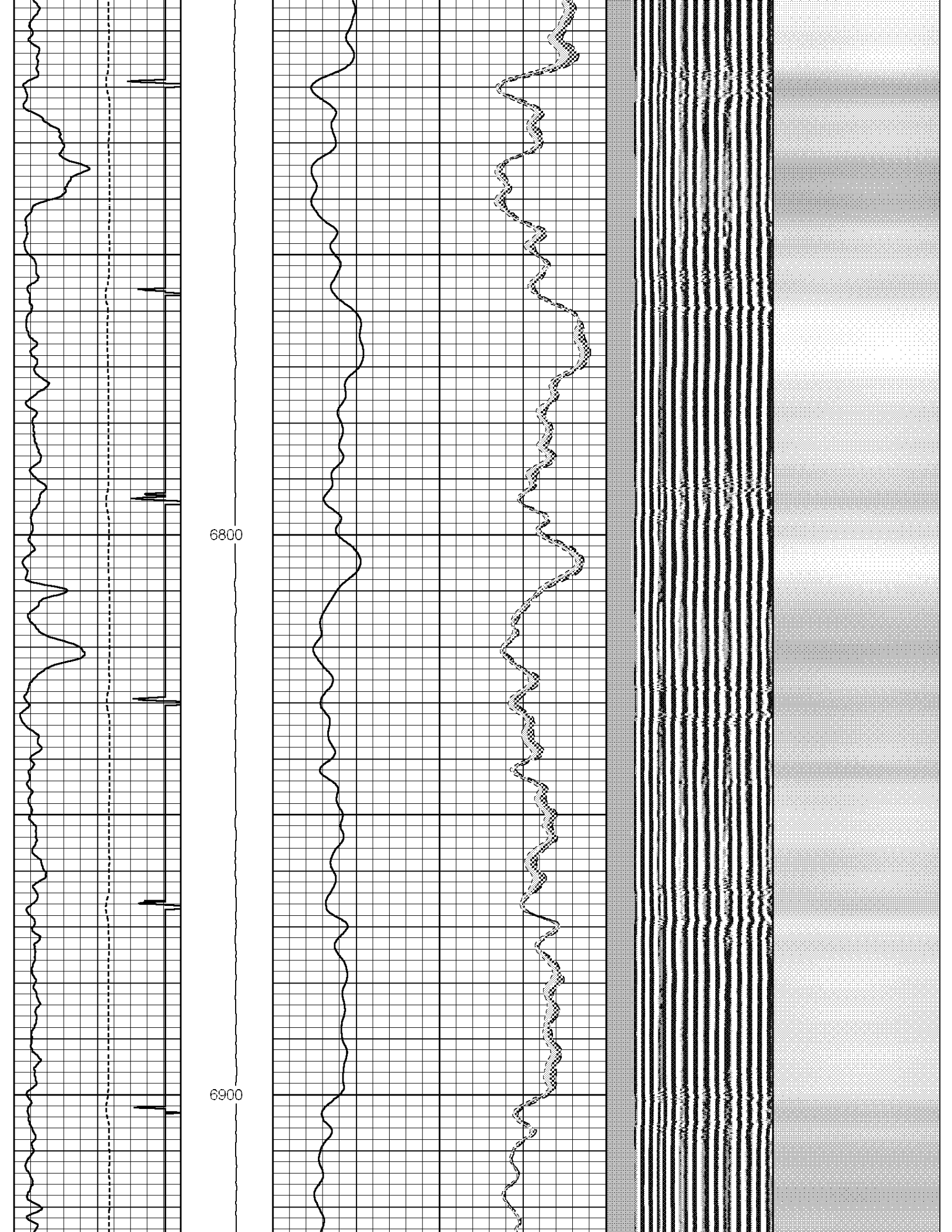
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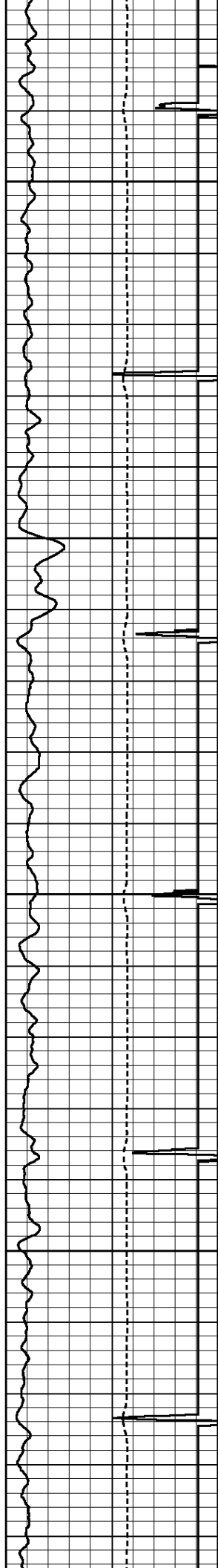
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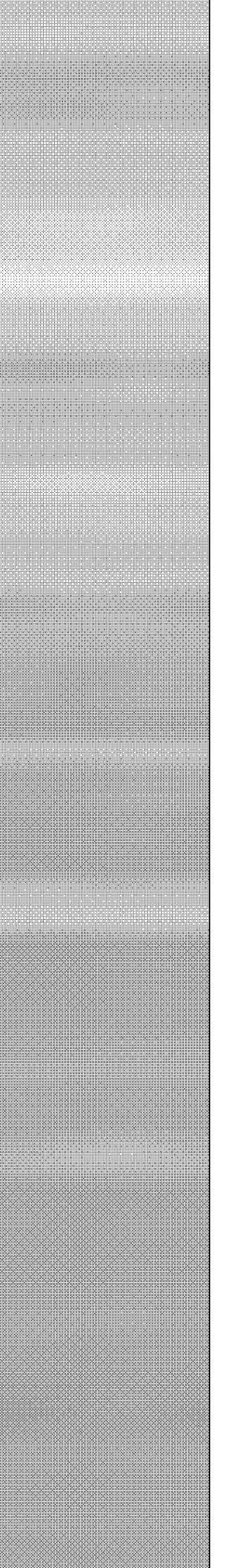
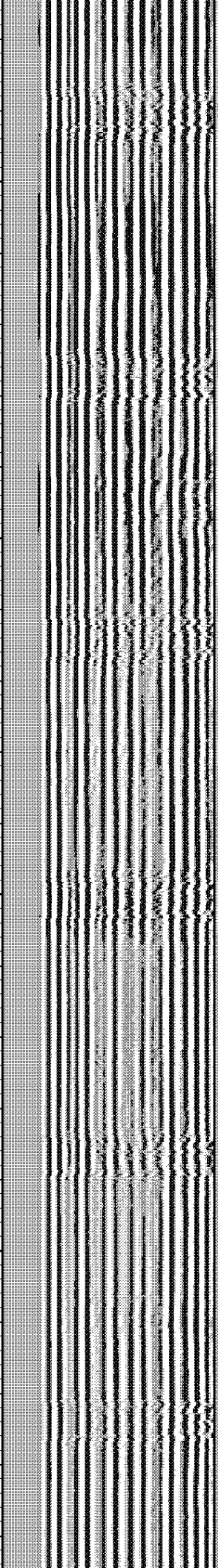
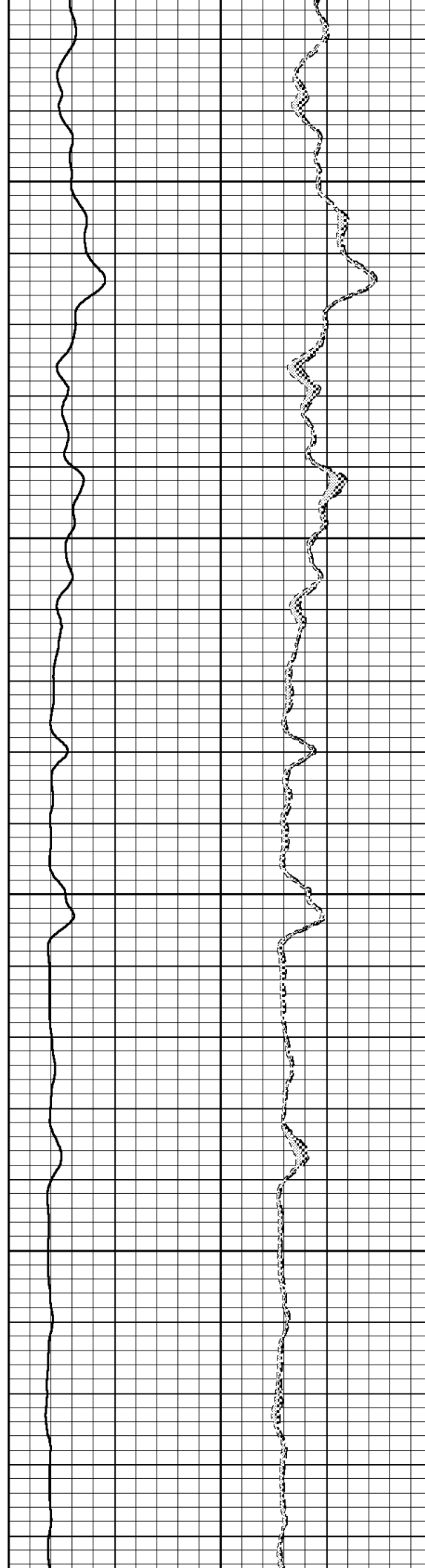


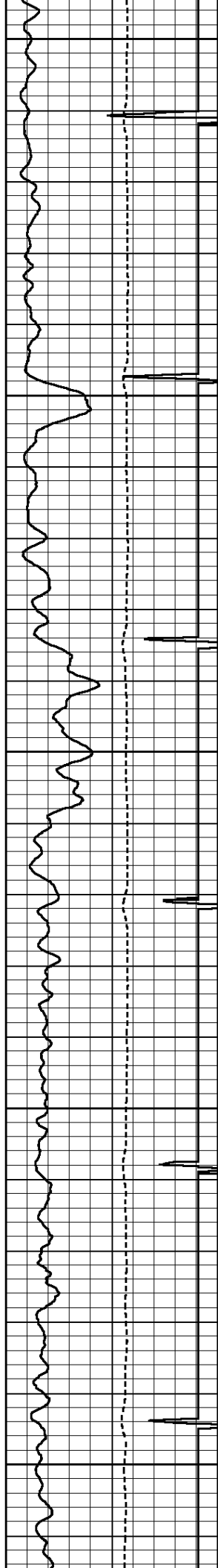




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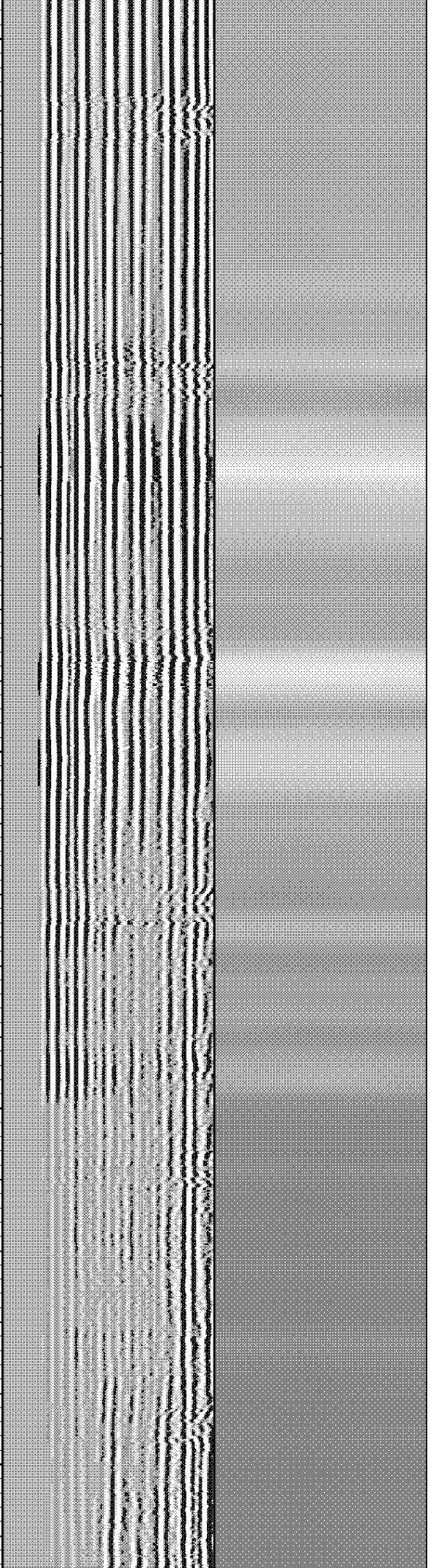
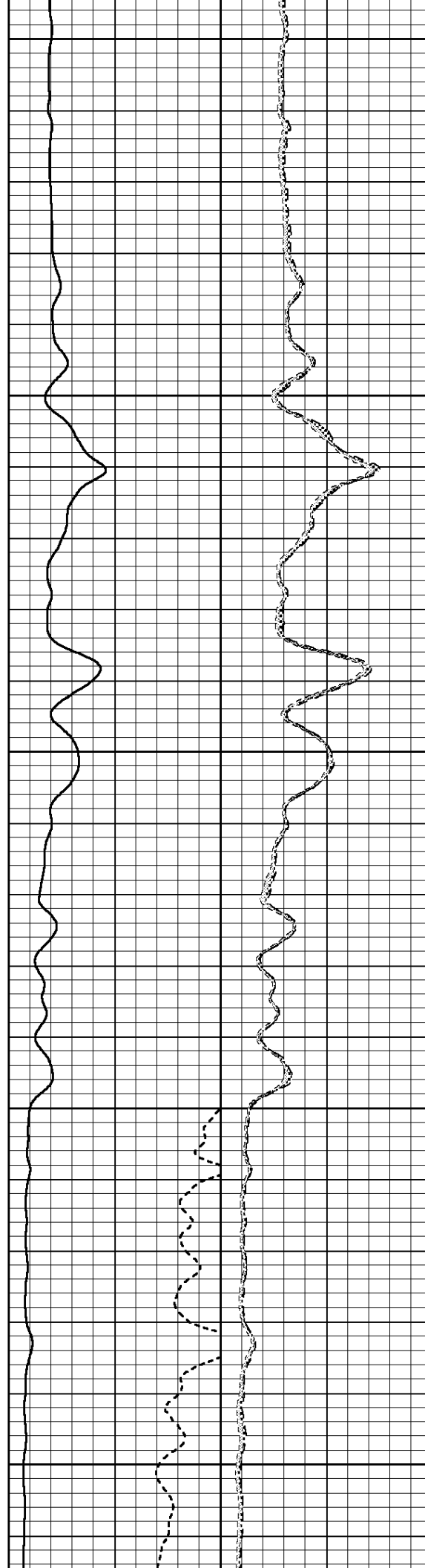
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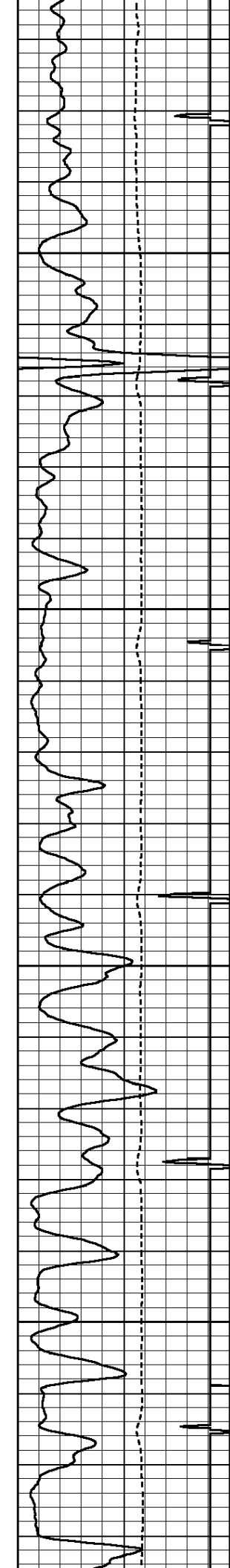




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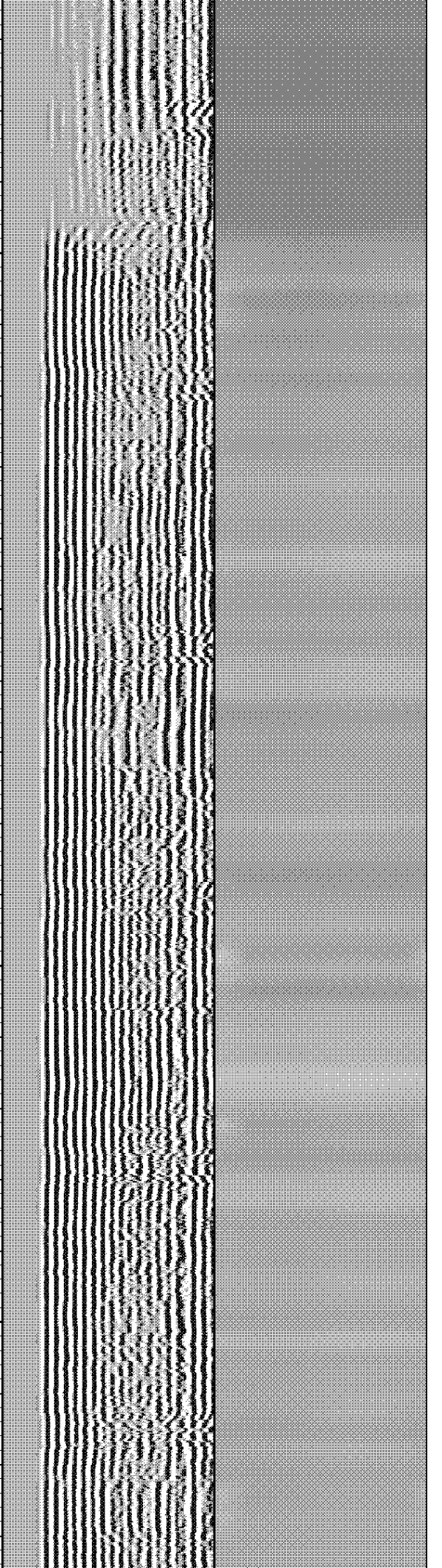
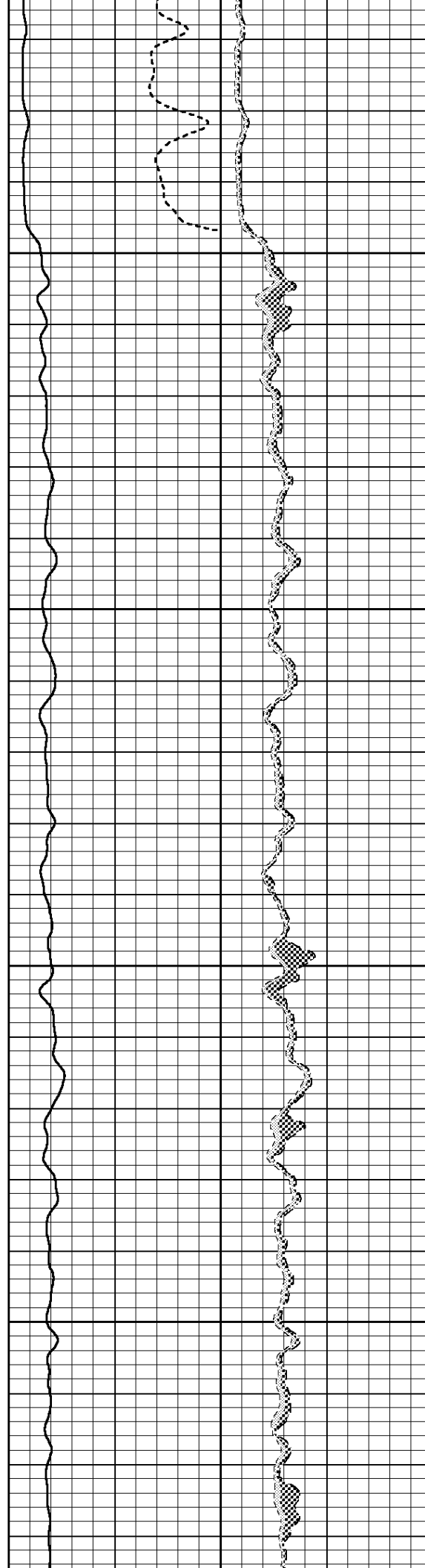
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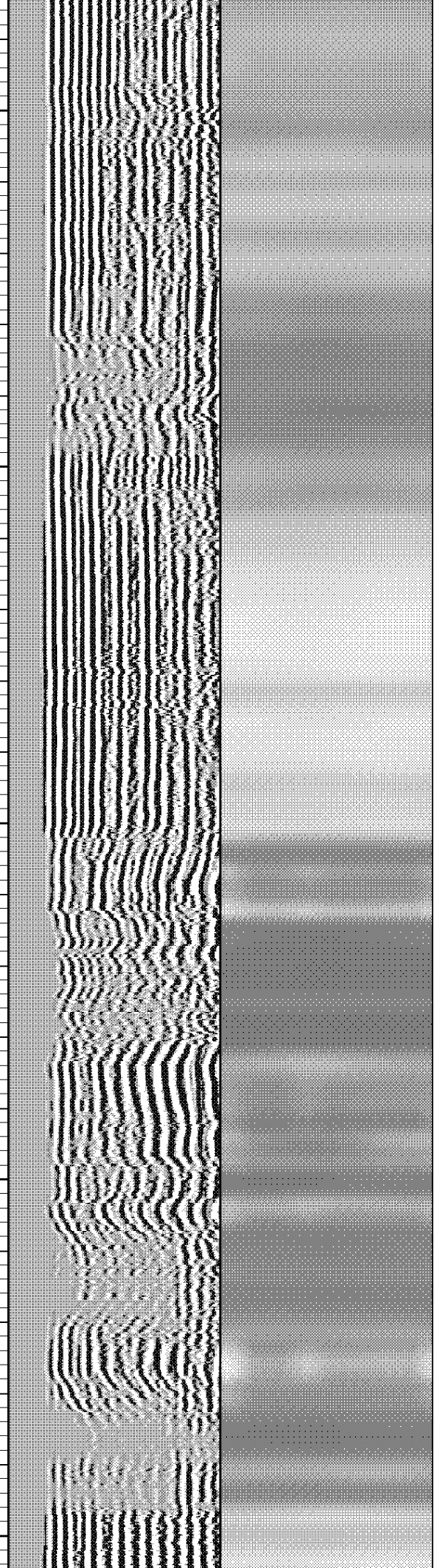
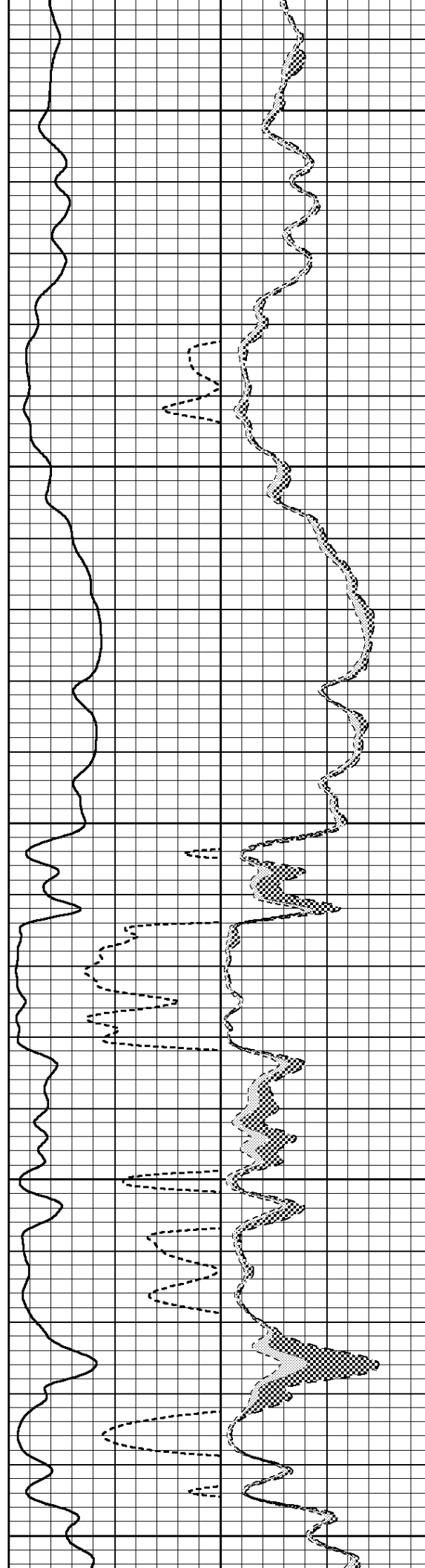
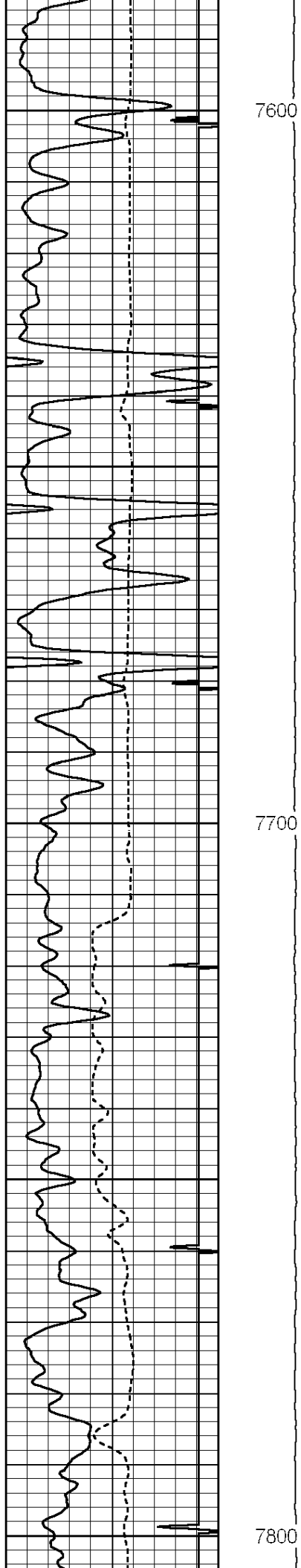




7400

7500







MAIN PASS SECTION

HALLIBURTON

5"=100'

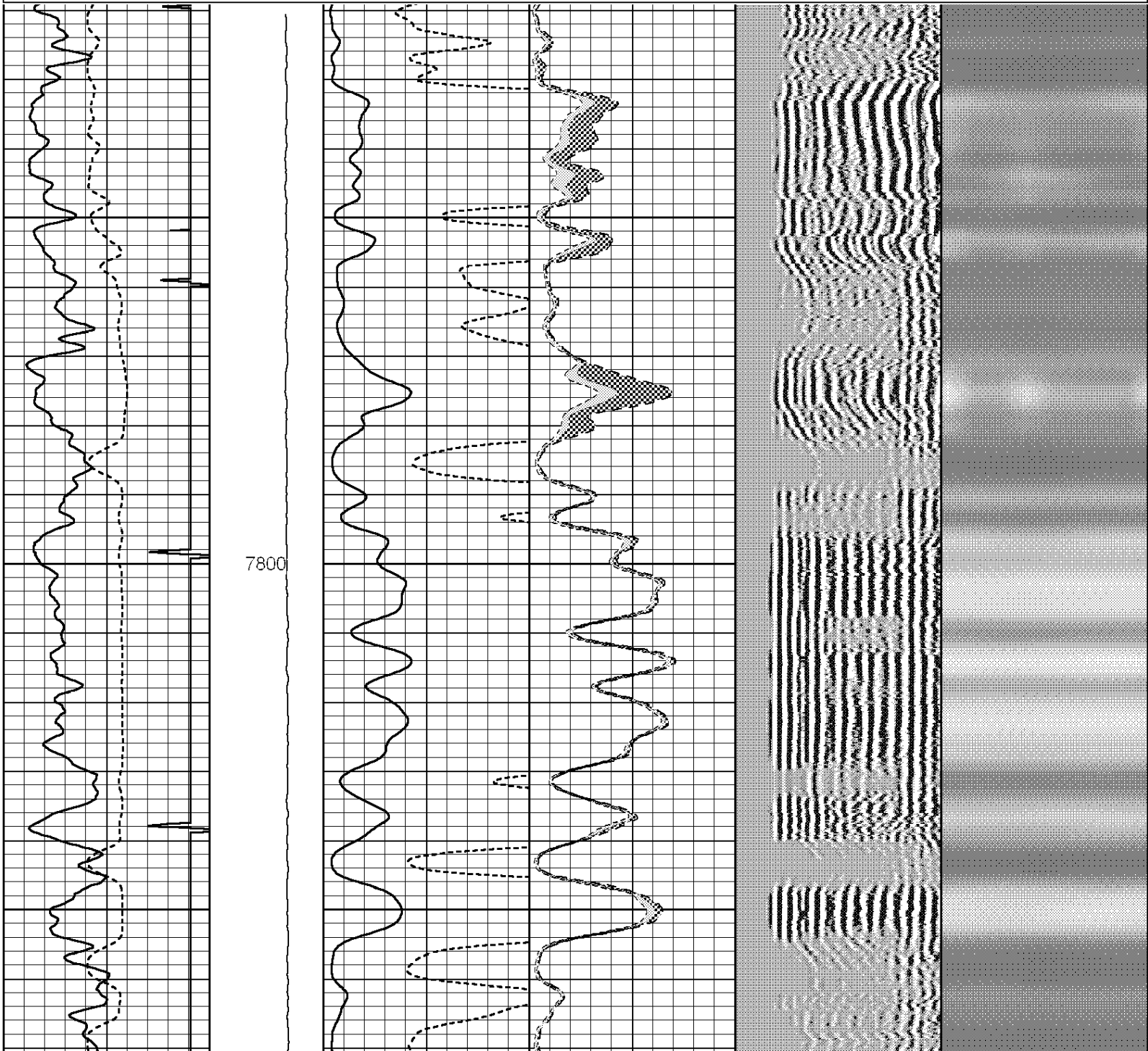
# HALLIBURTON

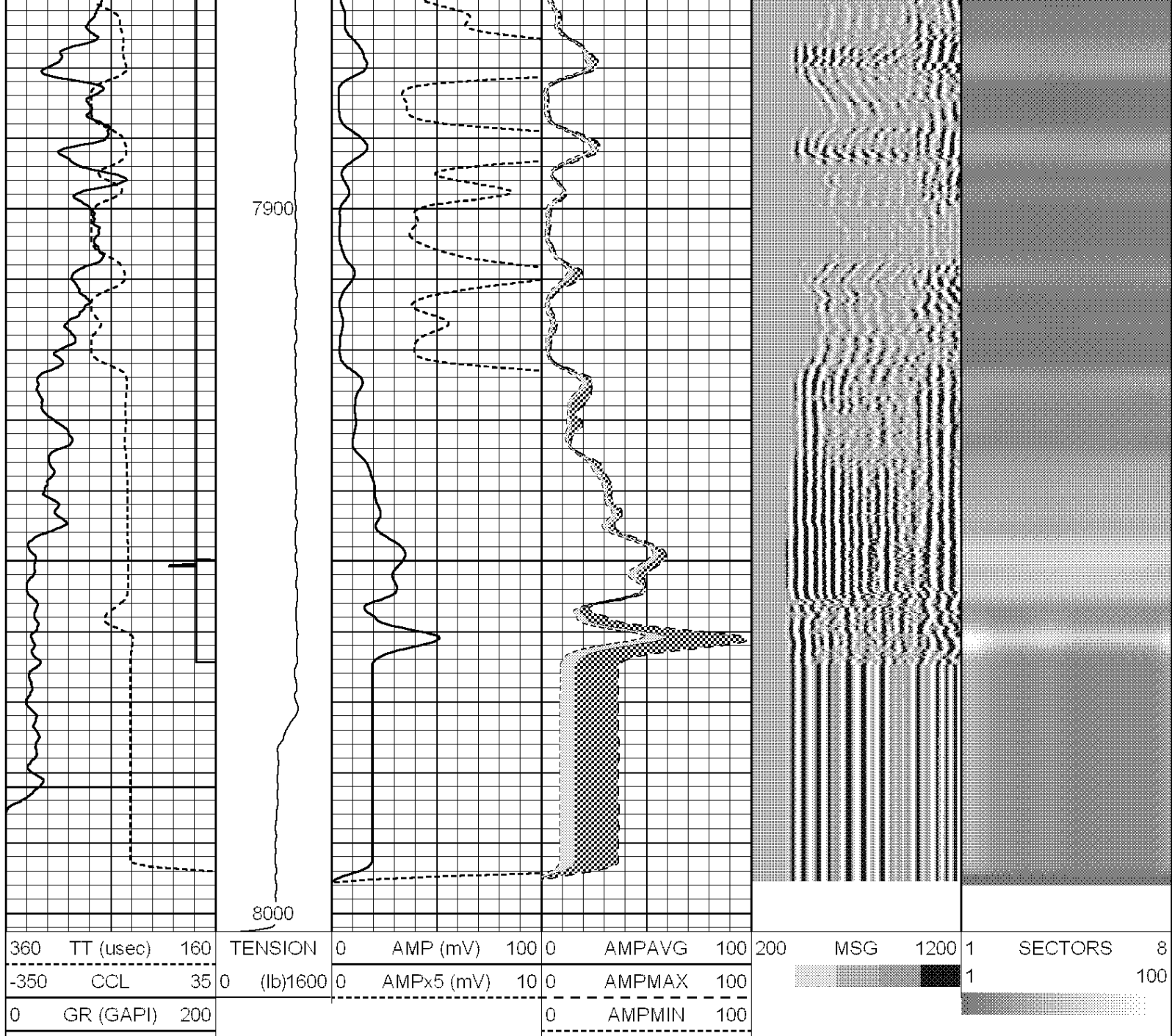
## REPEAT PASS

5"=100'

Database File: yellowjacketa-7-ya7.db  
 Dataset Pathname: MD/YJA7YA7/run1/REPEAT  
 Presentation Format: radial  
 Dataset Creation: Sat Aug 11 18:01:06 2012 by Log Halliburton Casedho  
 Charted by: Depth in Feet scaled 1:240

360	TT (usec)	160	TENSION	0	AMP (mV)	100	0	AMPAVG	100	200	MSG	1200	1	SECTORS	8
-350	CCL	35	0 (lb)1600	0	AMPx5 (mV)	10	0	AMPMAX	100				1		100
0	GR (GAPI)	200					0	AMPMIN	100						





## REPEAT PASS

**HALLIBURTON**

5"=100'

### Calibration Report

Database File: yellowjacketa-7-ya7.db  
 Dataset Pathname: MD/YJA7YA7/run1/MAIN  
 Dataset Creation: Sat Aug 11 18:08:56 2012 by Log Halliburton Casedho

### Gamma Ray Calibration Report

Type / Serial: 001 / 217674



Background	Counts/Sec.	Gain	Offset	Jig	Units
Calibrator	39.7				cps
	182.0	1.7073			cps
					GAPI/cps

PRIMARY VERIFICATION

Mon Aug 06 09:56:21 2012

Background	71.0			cps
Calibrator	305.6			cps
Difference			234.6	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0			cps
Calibrator	0.0			cps
Difference			0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0			cps
Calibrator	0.0			cps
Difference			0.0	GAPI

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STND_CH 1.4375 IN CABLE HEAD	1.00	1.44	1.00
CCL	20.31		TTTCU-001 (217674) Through Tubing Telemetry Cartridge - Ultrawire	6.58	1.69	33.00
GR	18.05		AUH-001 (000001) Adaptor Ultrawire/Halliburton	0.38	1.69	3.00
			CENT-Probe (PT_MONO2) Probe 2 3/4 Centralizer	2.88	2.75	35.00

WVF3FT	8.24		RBT-004 (11002212) Radial Bond Tool (UW 3 1/8) 20K Rated	9.48	3.13	140.00
WVFS1	8.24					
WVFS2	8.24					
WVFS3	8.24					
WVFS4	8.24					
WVFS5	8.24					
WVFS6	8.24					
WVFS7	8.24					
WVFS8	8.24					
CBLTEMP	8.24					
CBLROT	8.24					
WVF5FT	7.24					
LLMTEN	0.00					
XHUTEMP	0.00					
XHUCURR	0.00					
XHUVOLT	0.00					
XHUSTAT	0.00					
TSTAMP	0.00					
ITEMPX	0.00					
HVOLT	0.00					
			CENT-Probe (PT_MONO2) Probe 2 3/4 Centralizer	2.88	2.75	35.00
			BUL-006 (000002) Bullnose Terminator	0.22	1.69	1.20

Dataset: yellowjacketa-7-ya7.db: MD/YJA7YA7/run1/MAIN  
 Total Length: 23.43 ft  
 Total Weight: 248.20 lb  
 O.D.: 3.13 in

Company	KINDER MORGAN C02 Co. L.P				
Well	YELLOW JACKET A-7(YA-7)				
Field	McELMO DOME				
County	MONTEZUMA	State	CO		
<b>HALLIBURTON</b>	RADIAL CEMENT BOND LOG GR-CCL				