

PULSED NEUTRON DECAY  
GAMMA RAY

COMPANY WEXPRO		WELLACE UNIT #13		FIELD POWDER WASH		CNTY MOFFAT		STATE CO	
COMPANY WEXPRO		WELL ACE UNIT #13		FIELD POWDER WASH		COUNTY MOFFAT		STATE CO	
LOCATION: 1055' FEL & 1478' FSL (NE/SE)		SEC. 28		TWP. 12N		RGE 97W		OTHER SERVICES: CBL	
PERM. DATUM GROUND LEVEL		LOG MEASURED FROM 14		FT. ABOVE PERMANENT DATUM		ELEV. 6530.00		ELEV.: K.B. 6544.00 D.F. N/A G.L. 6530.00	
DRILLING MEASURED FROM KELLY BUSHING		DATE		25-JAN-2008		RUN NO.		ONE	
DEPTH DRILLER		8649'				DEPTH LOGGER		8638'	
BIT. LOG INTERVAL		8631'				TOP LOG INTERVAL		1800'	
OPEN HOLE SIZE		7.625"				TYPE FLUID		KCL WATER	
DENS.		VISC.				MAX. REC. TEMP. F		N/A	
EST. CEMENT TOP		SEE CBL				TIME WELL READY		ON ARRIVAL	
TIME LOGGER ON BIT.		09:30				EQUIP. NO.		14113	
LOCATION		ROCK SPRINGS				RECORDED BY		PARKER	
WITNESSED BY						BOREHOLE RECORD			
RUN NO.		BIT		FROM		TO		SIZE	
								WGT.	
								FROM	
								TO	
CASING RECORD		SIZE		WT/FT		GRADE		TYPE JOINT	
SURFACE STRING		9.625		36#		J-55		SURF	
PROT. STRING								SURF	
PROD. STRING		4.5		11.6		P-110		SURF	
LINER								8650	

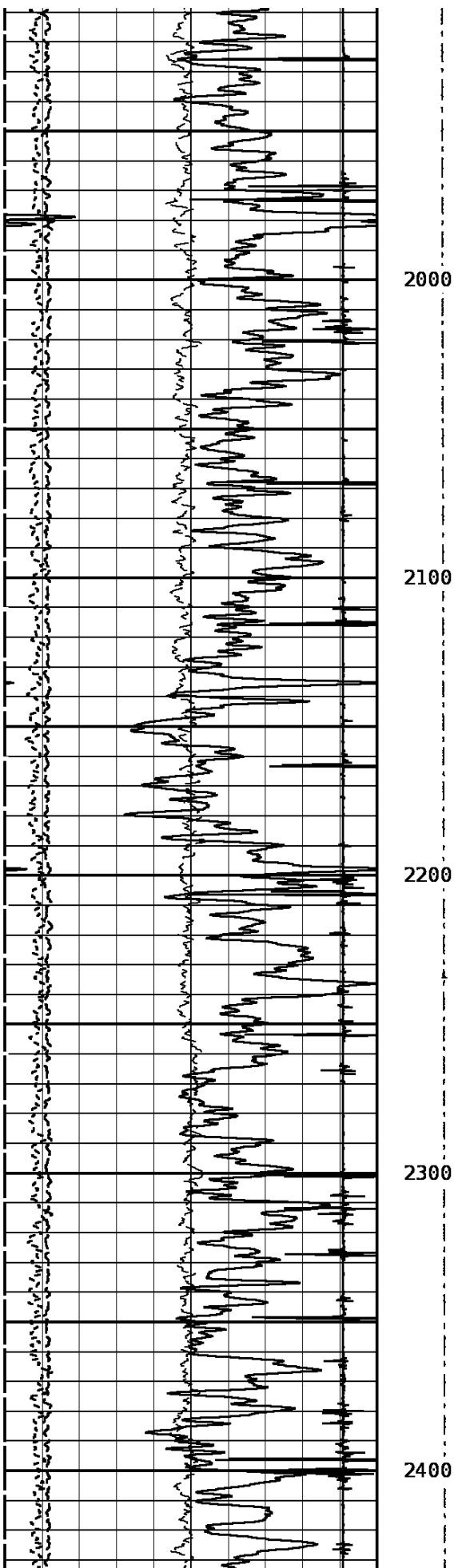
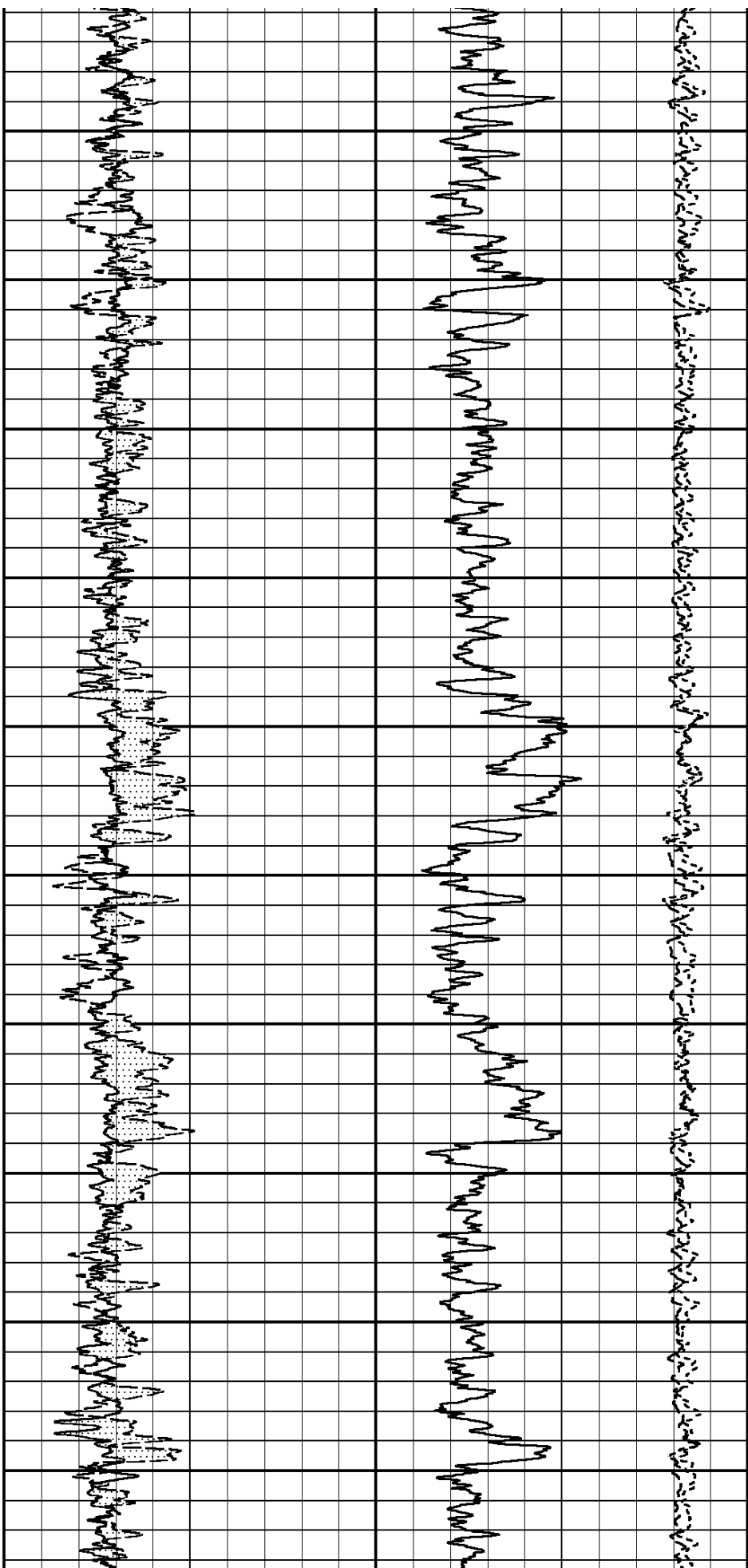
All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation or recommendation made by any of our employees or agents.

REMARKS Rig: WFT #15061 Service Order # 130916  
WELL LOGGED IN PLACE OF OPEN HOLE BHT N/A °F  
LOG RUN USING WIRELINE MEASUREMENTS  
TOOL HUNG UP AT 7201'

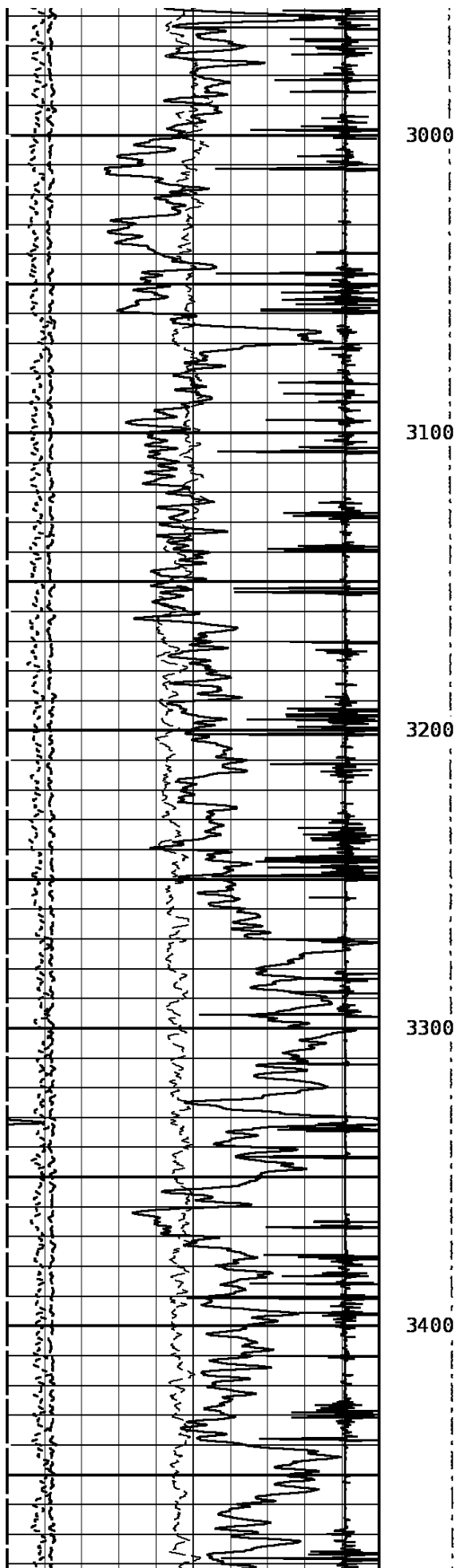
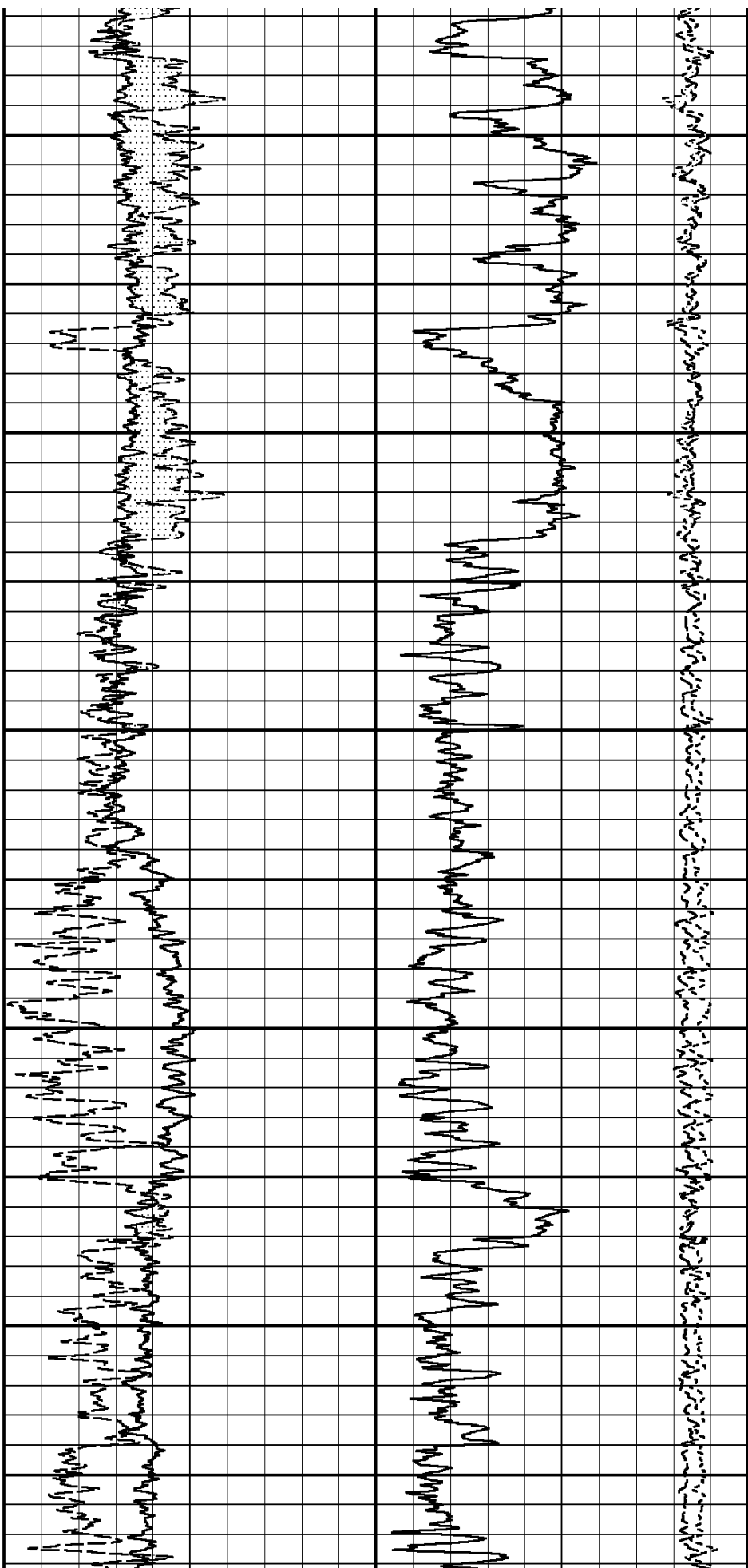
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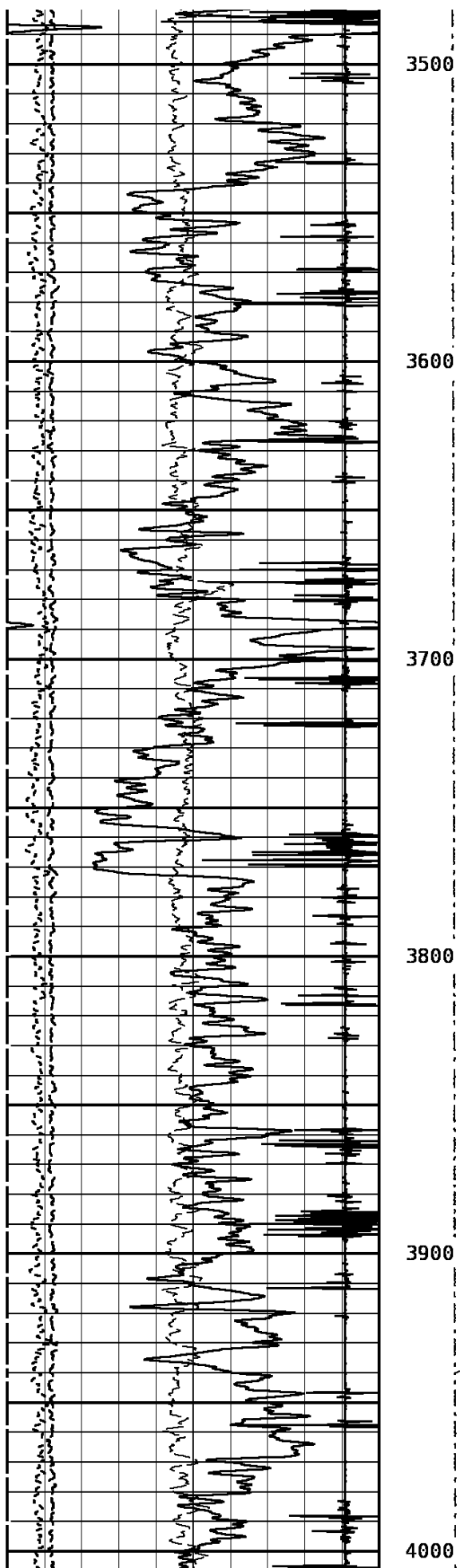
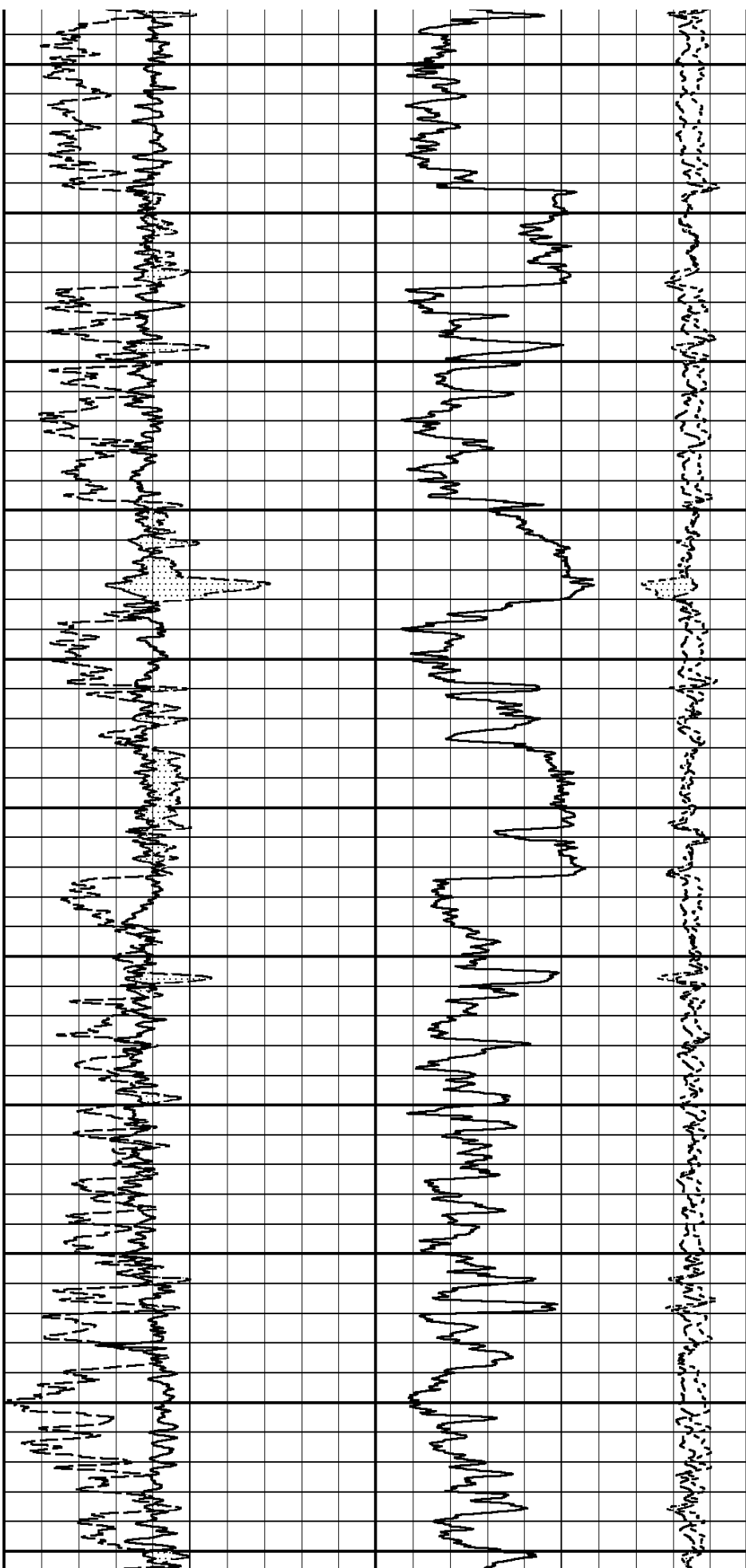
		EQUIPMENT DATA			
Bit Size	7.875	Run No.	1	Tool Type	COLLAR LOCATOR
Well Status	NEW			Tool No.	CCPC121
Surface Pressure					PNEE137
Shut In	Flowing				PDTE116
N/A	N/A				1K091

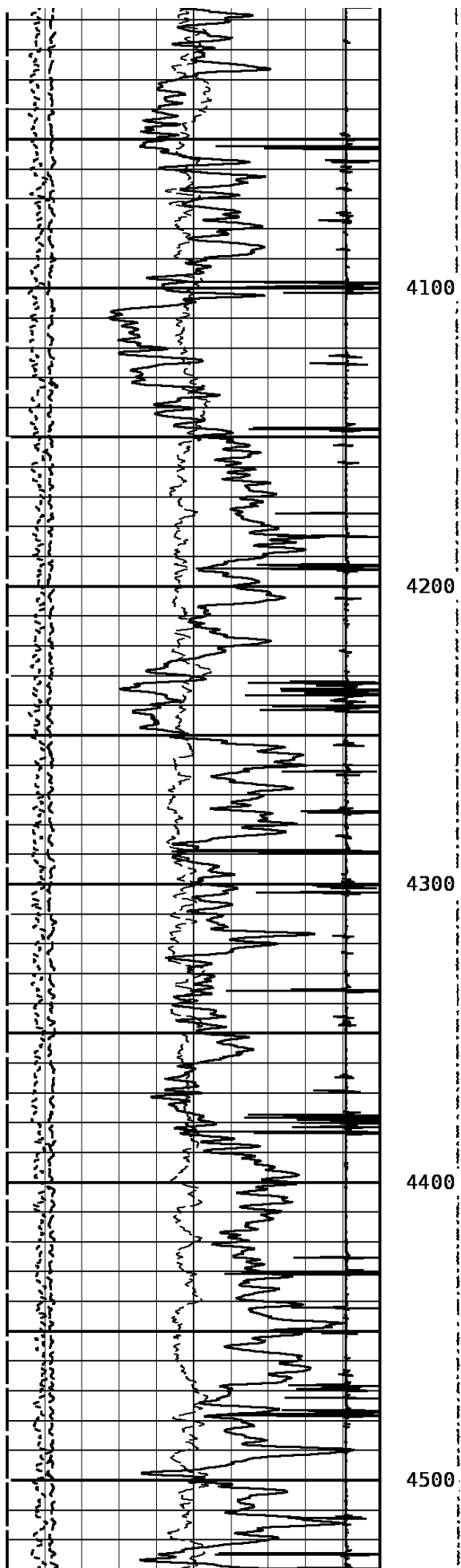
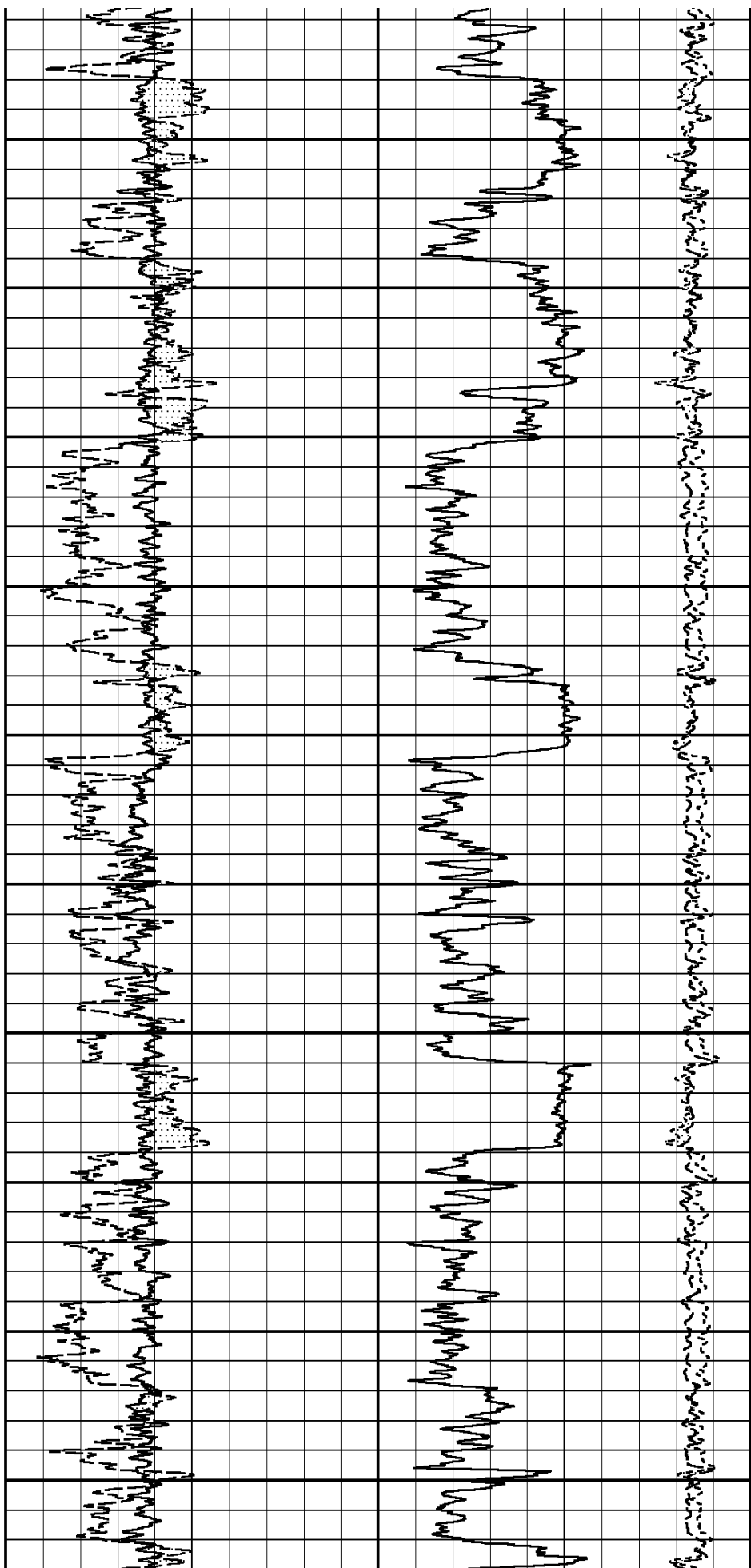

<div style="text-align: center;">REMARKS</div> <div style="text-align: center; margin-top: 10px;">2 INCH PND MAIN PASS</div>									
DEPTH SCALE: 2":100'					VERSION: 71018127R"				
MAIN PASS									
130916 PNDMAINFIN									
FINISH DEPTH: 1794.5 Feet    DIRECTION: UP    DATE: 01/25/2008    TIME: 16:40    MODE: ORIGINAL									
CCL									
-9000	Millivolts	900							
GAMMA RAY									
0	API	150							
OUTPUT QUALITY									
0.0		200000.0	Ratio Bore n to f		FAR 1				
			5.0	15.0	20.0	Counts/Second	0.0		
BGD FAR			RATIO		NEAR 1				
0.0		3000.0	5.0	0.0	120.0	Counts/Second	0.0		
BGD NEAR			Formation Sigma						
0.0		18000.0	Tension						
			0	1000	60.0	0.0			

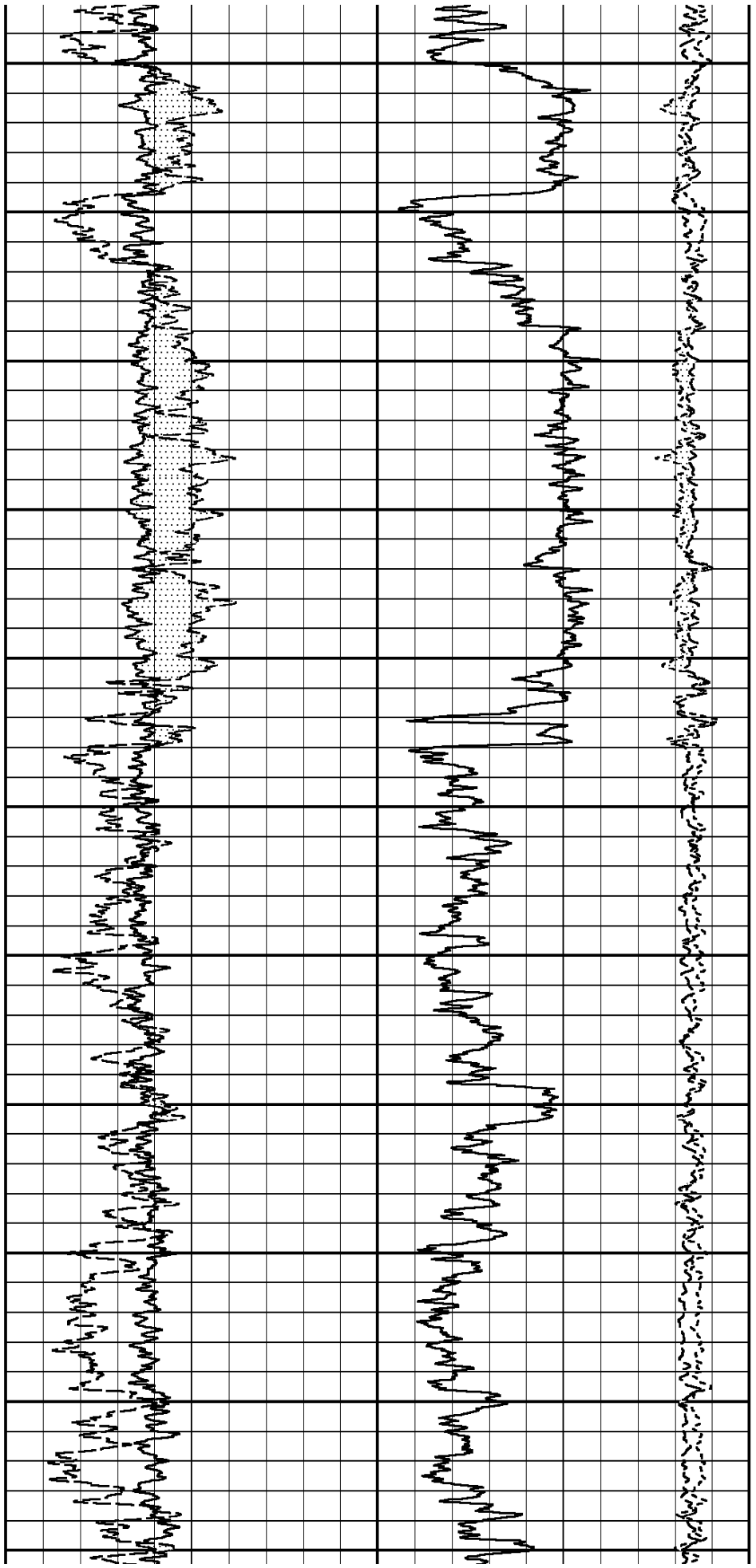
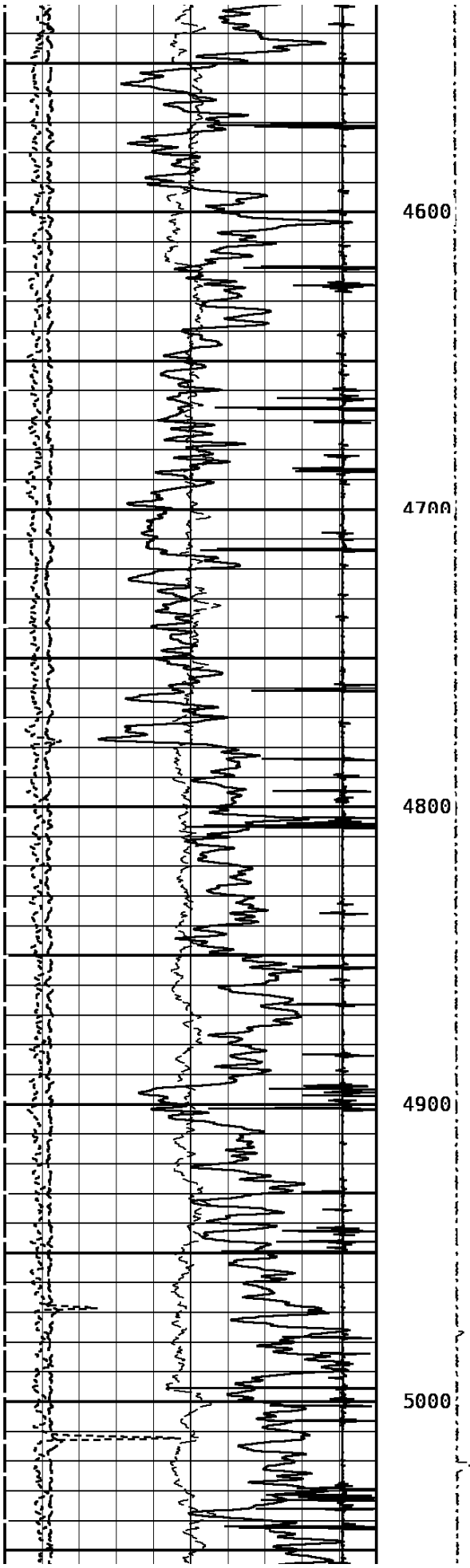




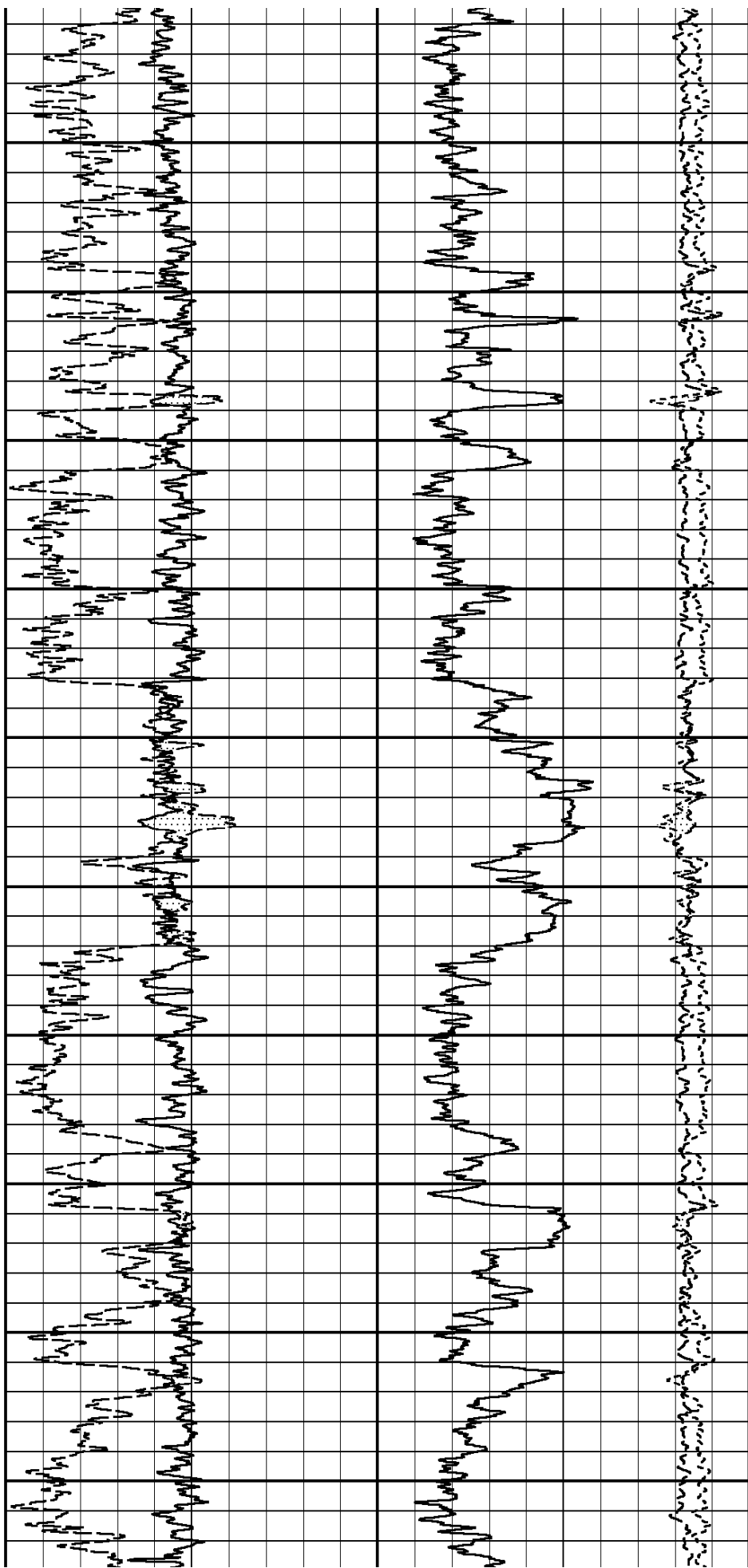
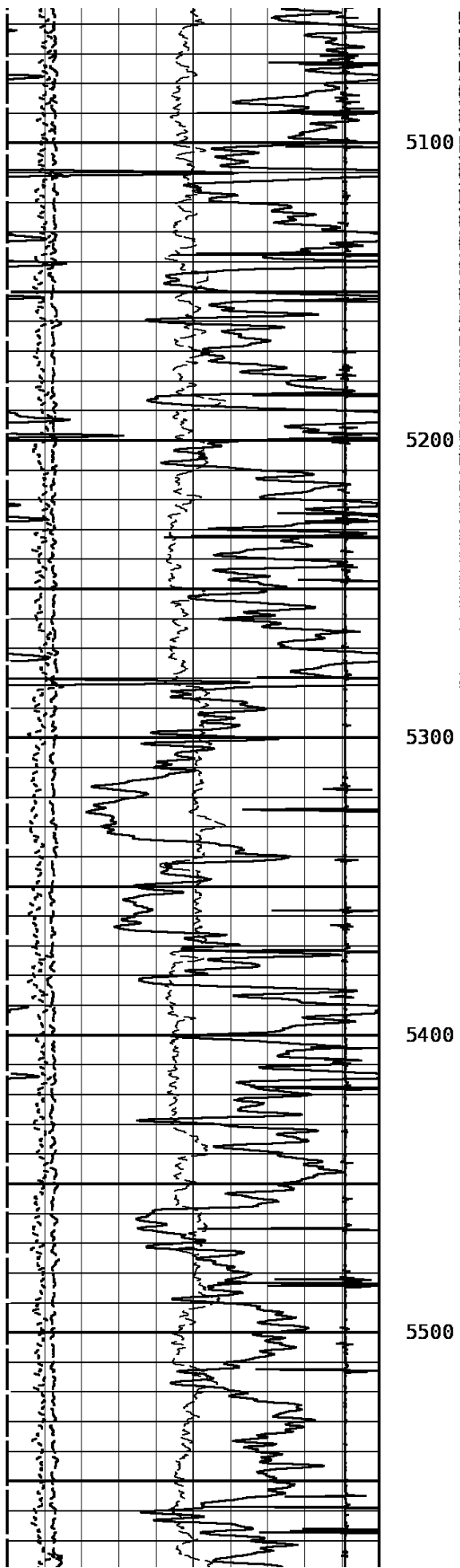


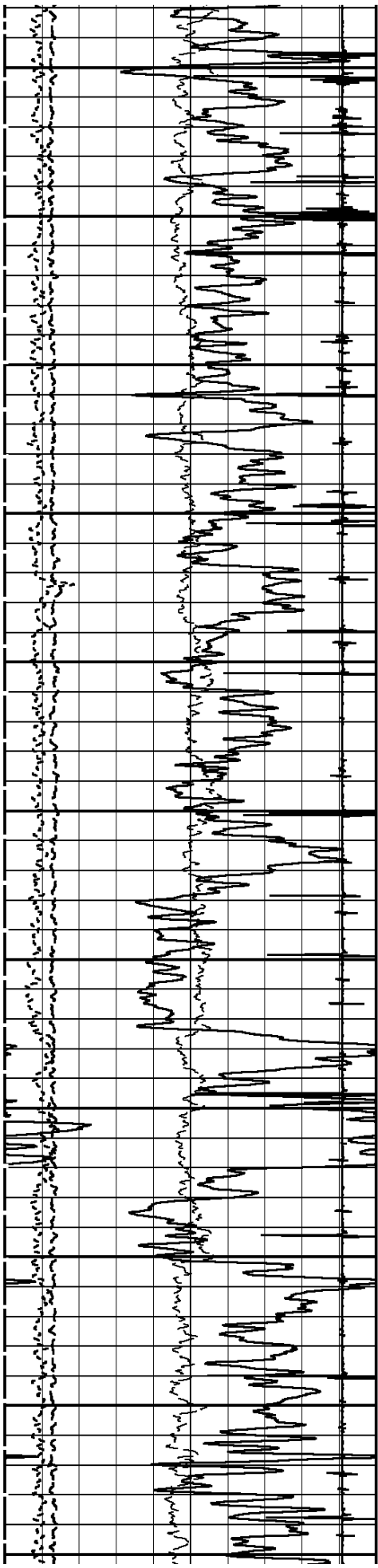












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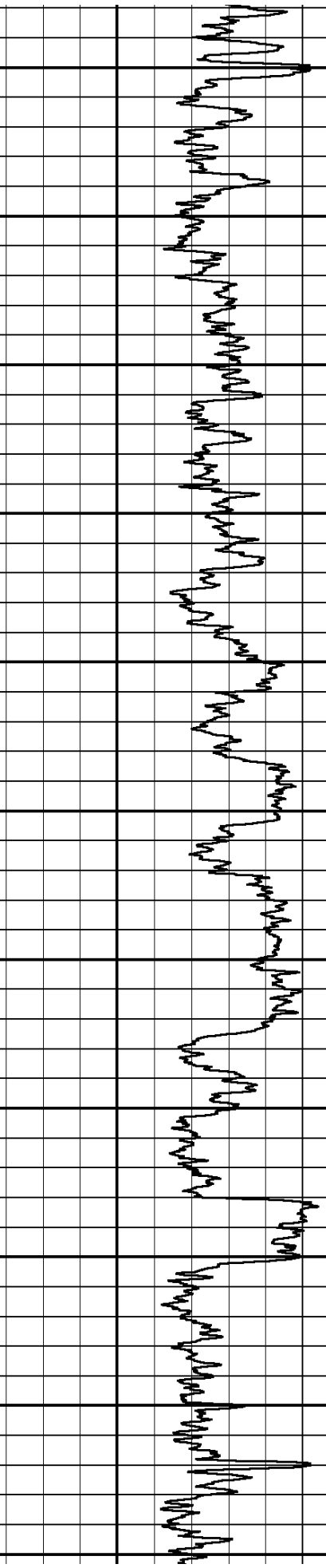
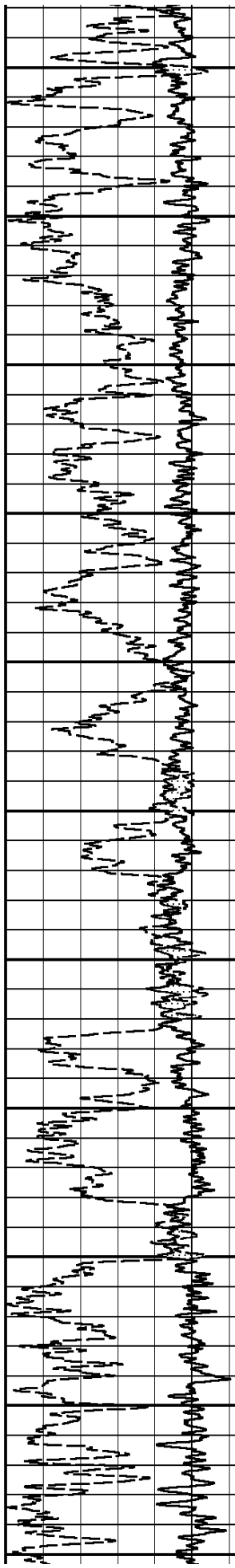
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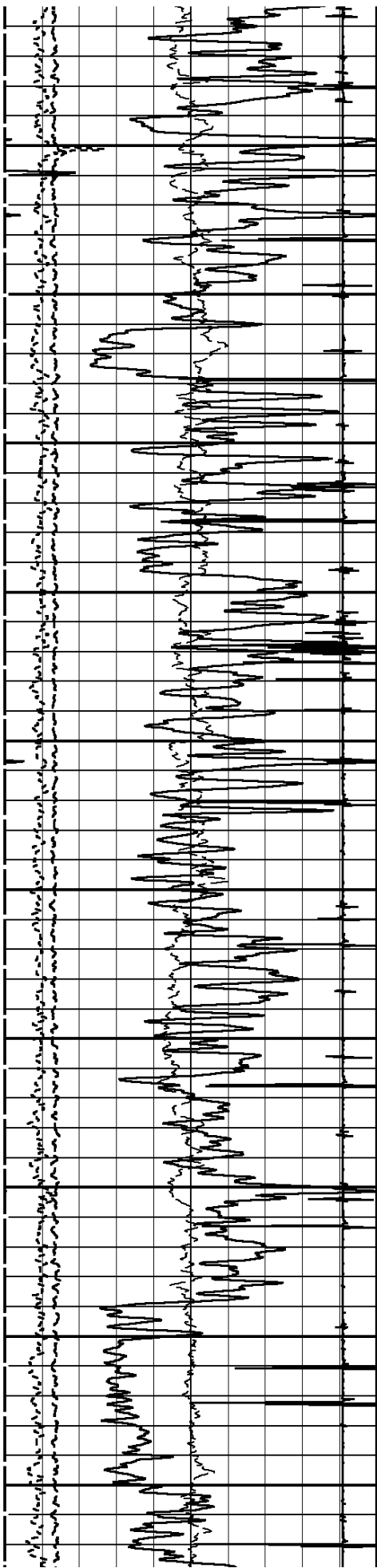
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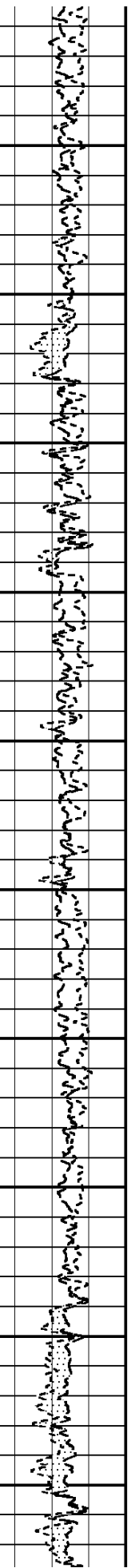
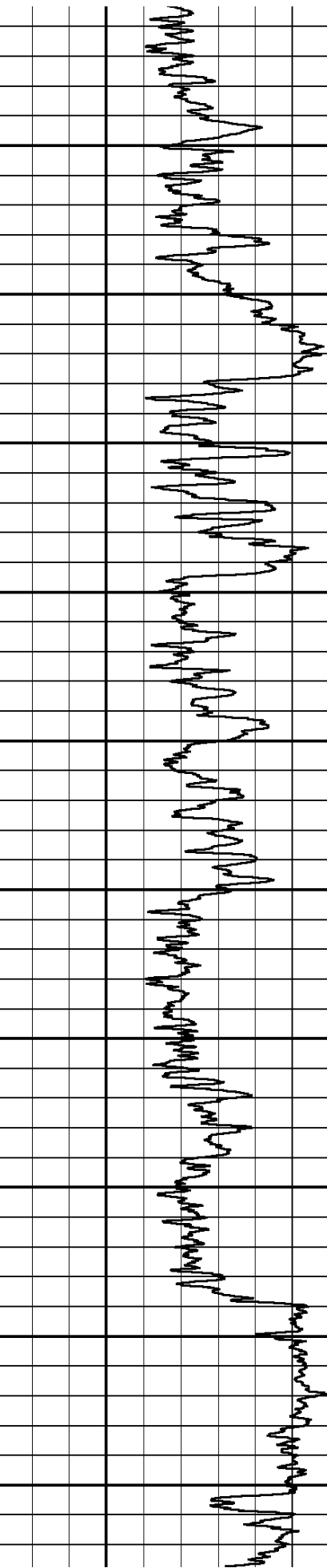
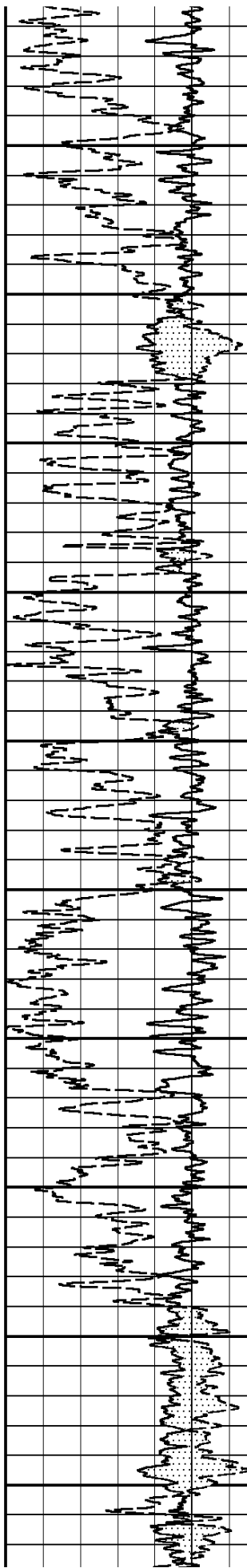
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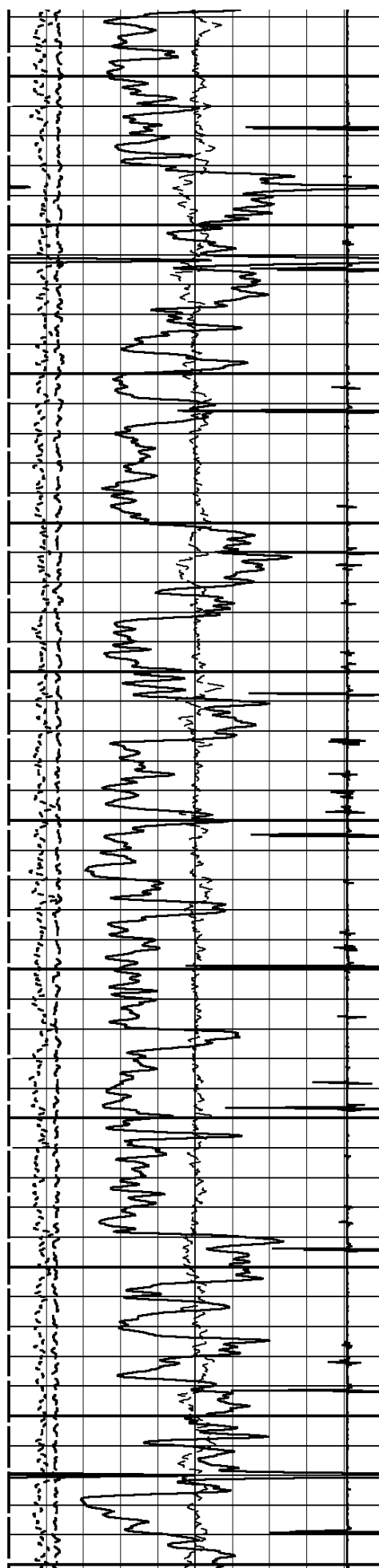
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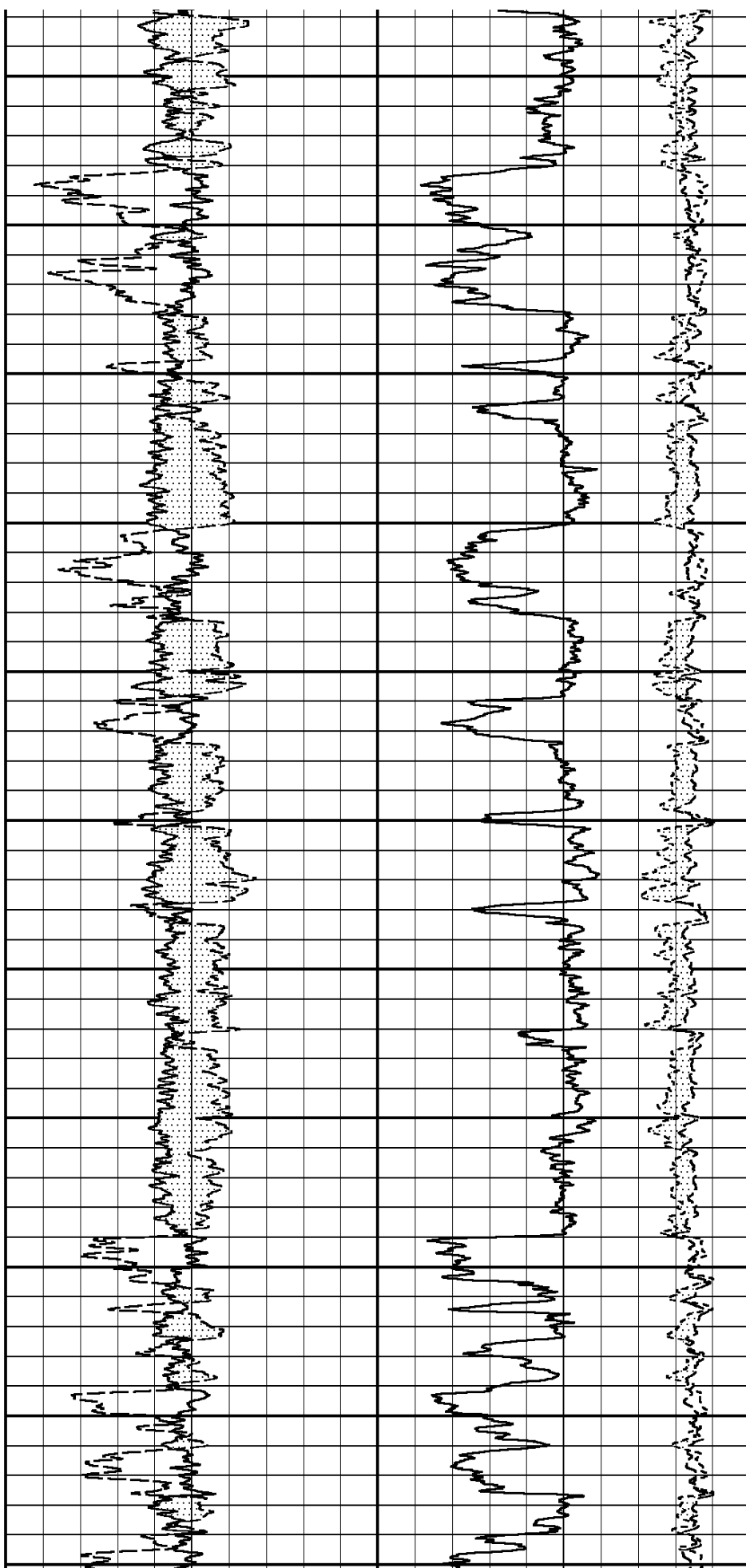
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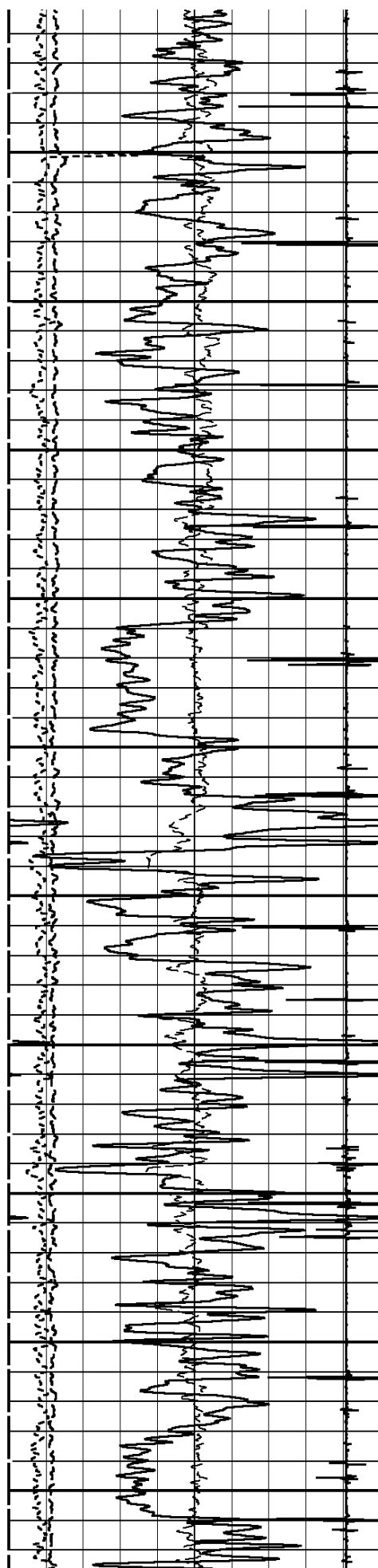
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7000

7100





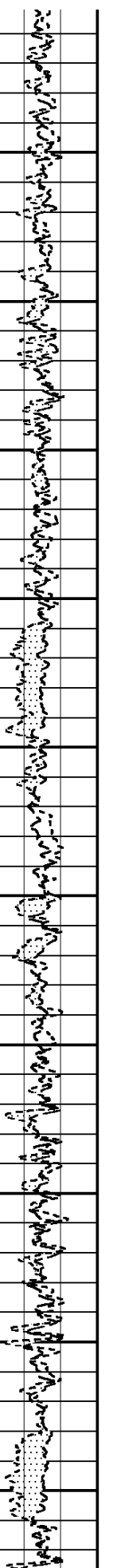
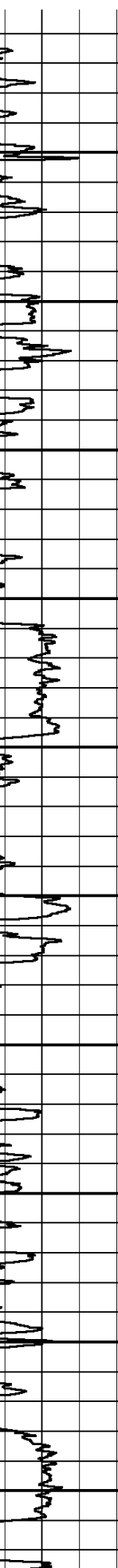
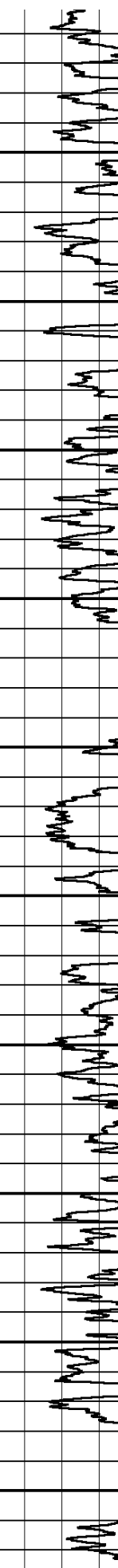
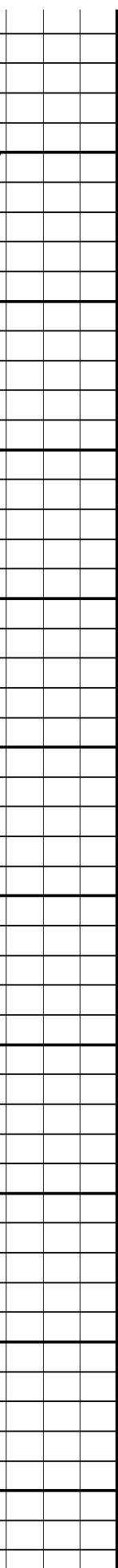
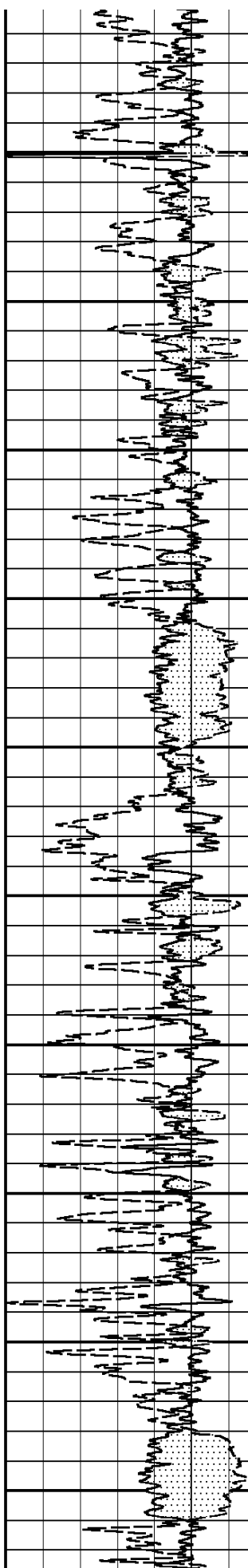
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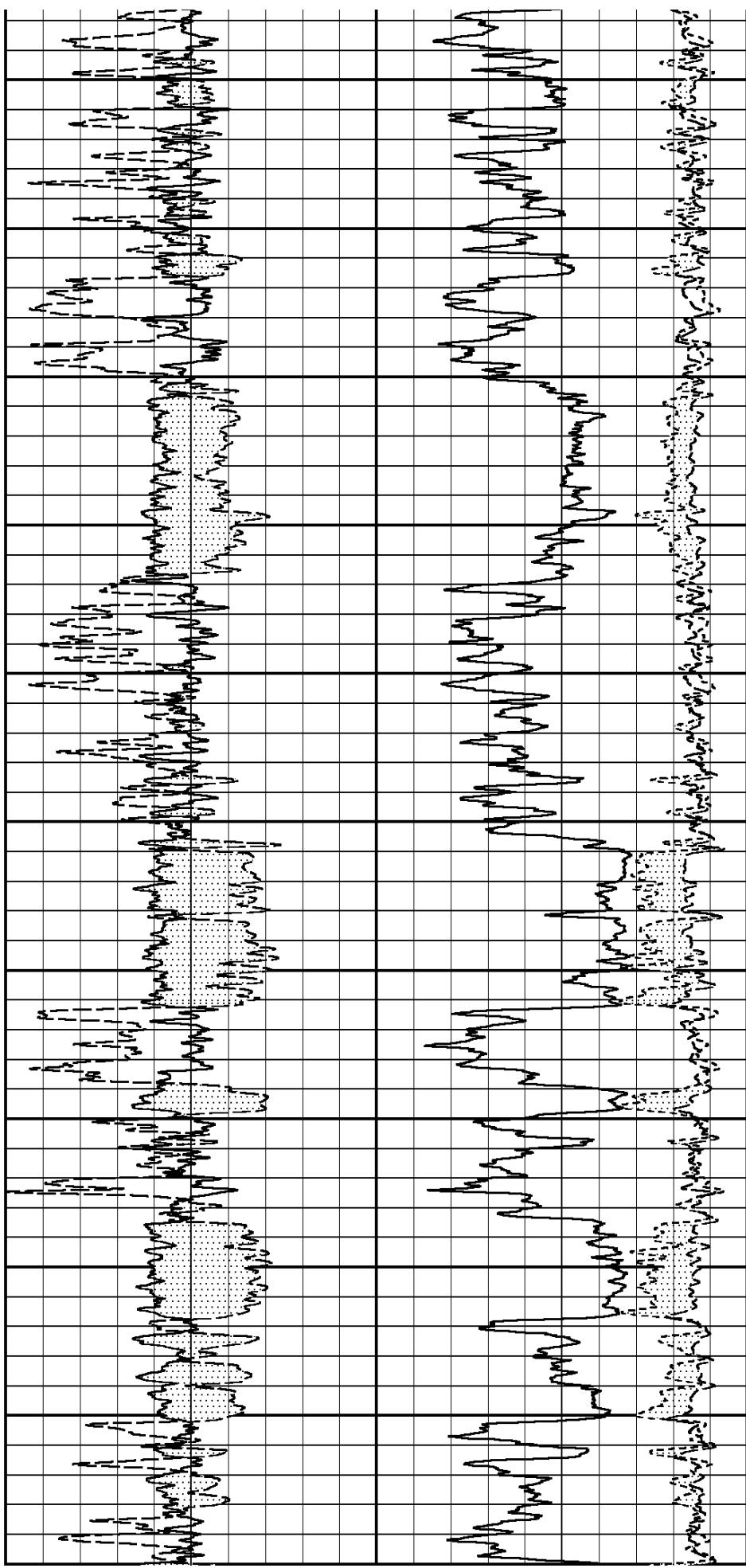
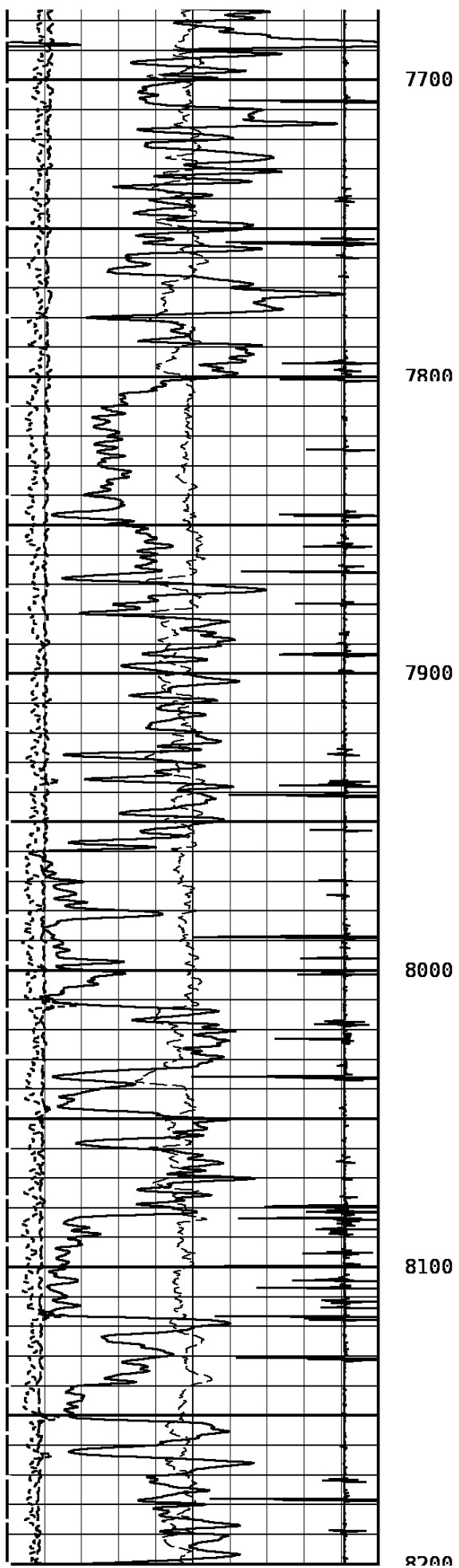
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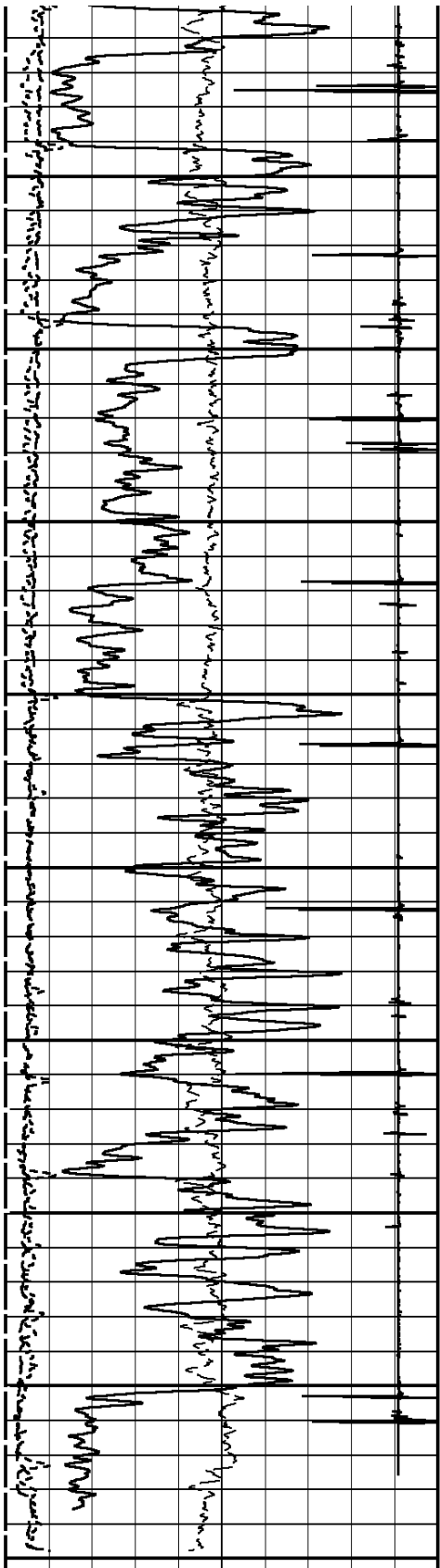
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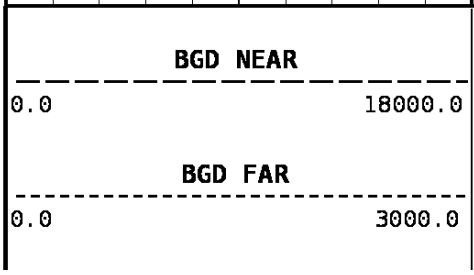
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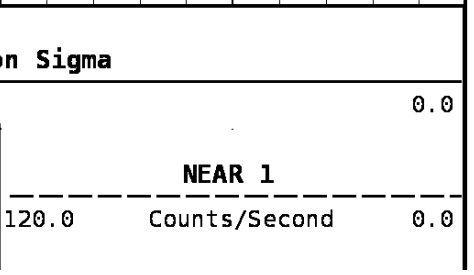
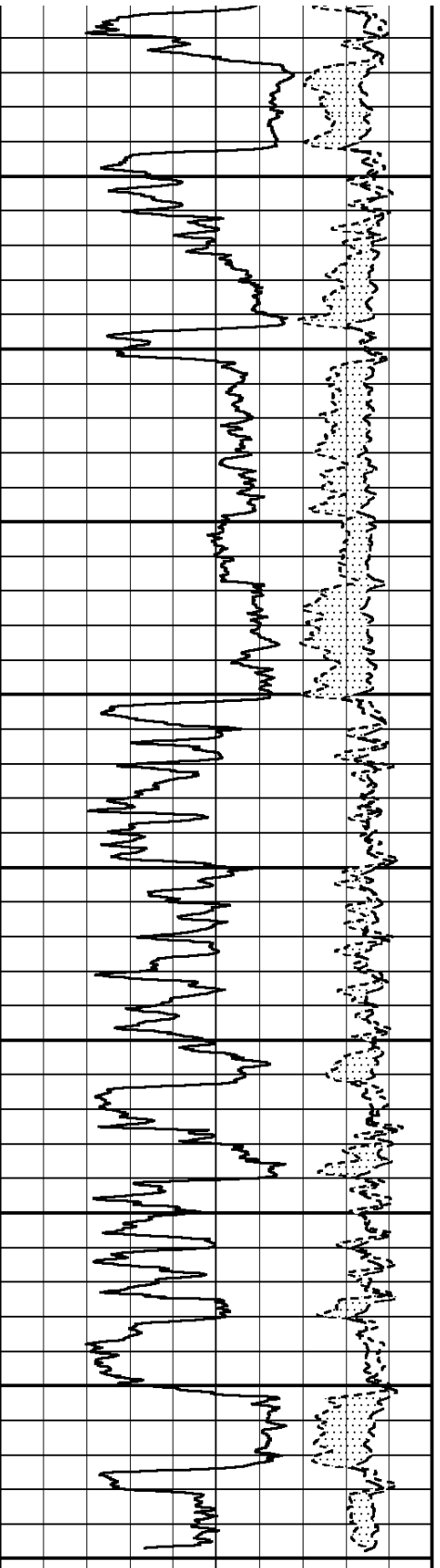
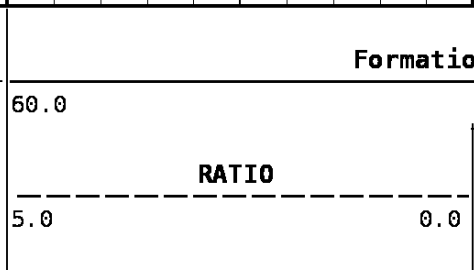
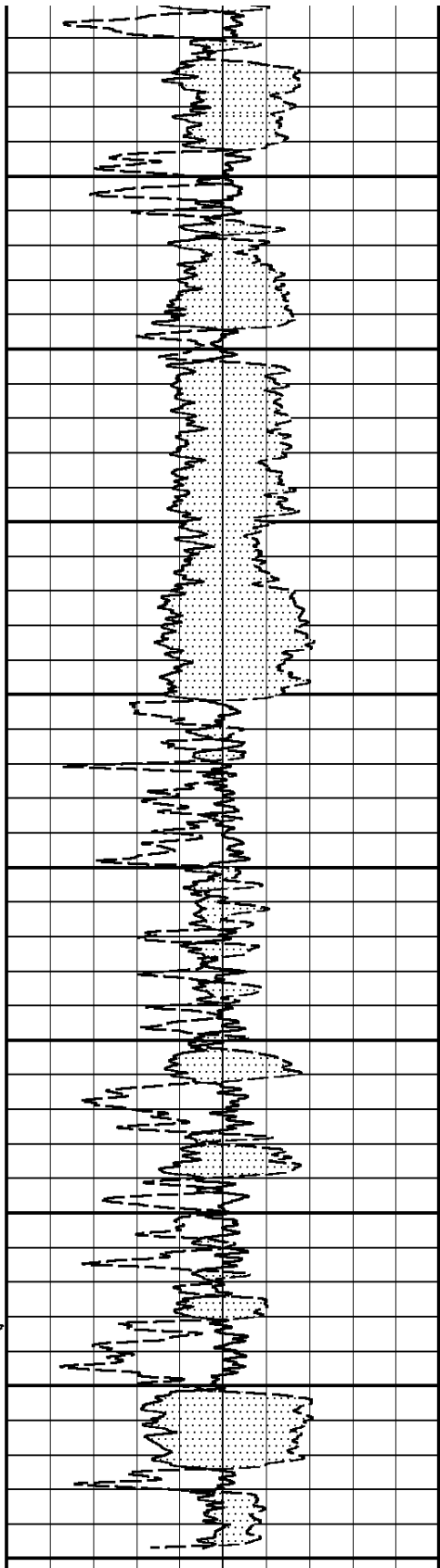




8200  
8300  
8400  
8500  
8600



Tension  
0 1000



Formation Sigma

0.0

NEAR 1

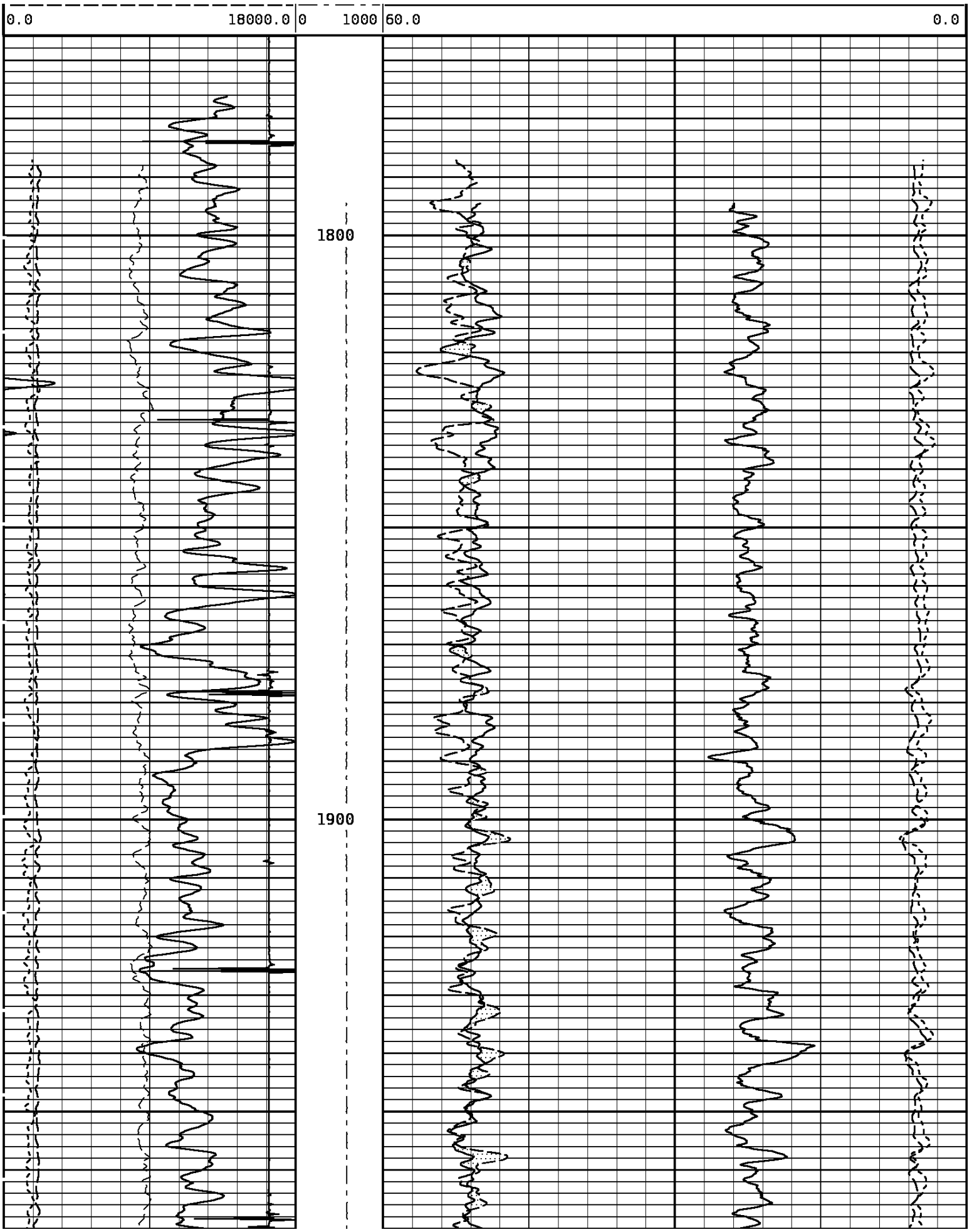
Counts/Second

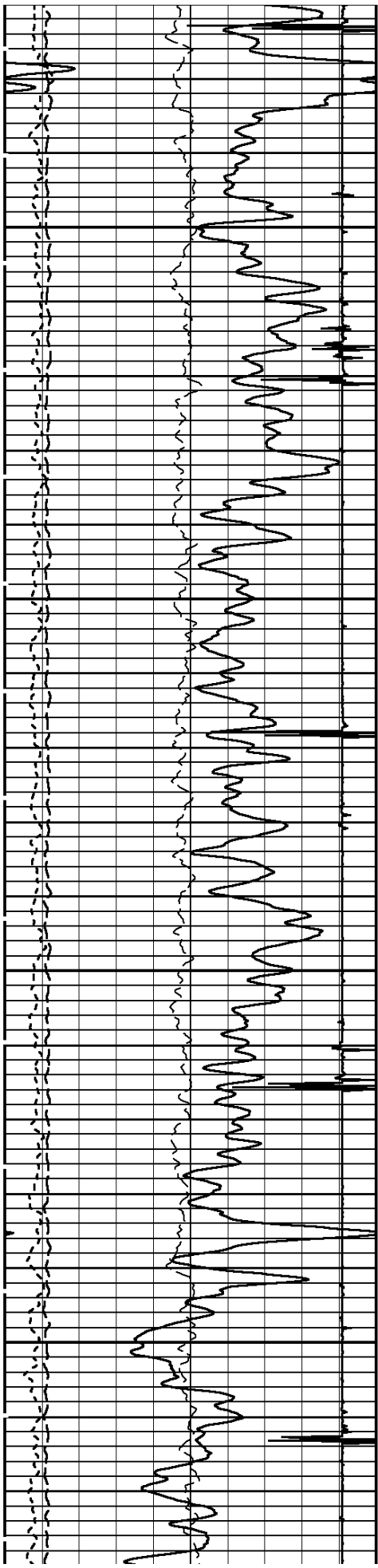
0.0

OUTPUT QUALITY			Ratio Bore n to f		FAR 1	
0.0		200000.0	5.0	15.0	20.0	Counts/Second 0.0
GAMMA RAY						
0	API	150				
CCL						
-9000	Millivolts	900				
START DEPTH: 8654.4 DIRECTION: UP DATE: 01/25/2008 TIME: 10:37 MODE: ORIGINAL						
130916 PNDMAINFIN						
MAIN PASS						
DEPTH SCALE: 2":100'				VERSION: 71018127R"		

REMARKS									
5 INCH PND MAIN PASS									
DEPTH SCALE: 5":100'					VERSION: 71018127R"				
MAIN PASS									
130916 PNDMAINFIN									
FINISH DEPTH: 1794.5 Feet DIRECTION: UP DATE: 01/25/2008 TIME: 16:40 MODE: ORIGINAL									
RECOMPUTED DATE: 01/25/2008 TIME: 16:41									
CCL									
-9000	Millivolts	900							
GAMMA RAY									
0	API	150							
OUTPUT QUALITY									
0.0		200000.0							
BGD FAR									
0.0		3000.0							
BGD NEAR									
			Formation Sigma						

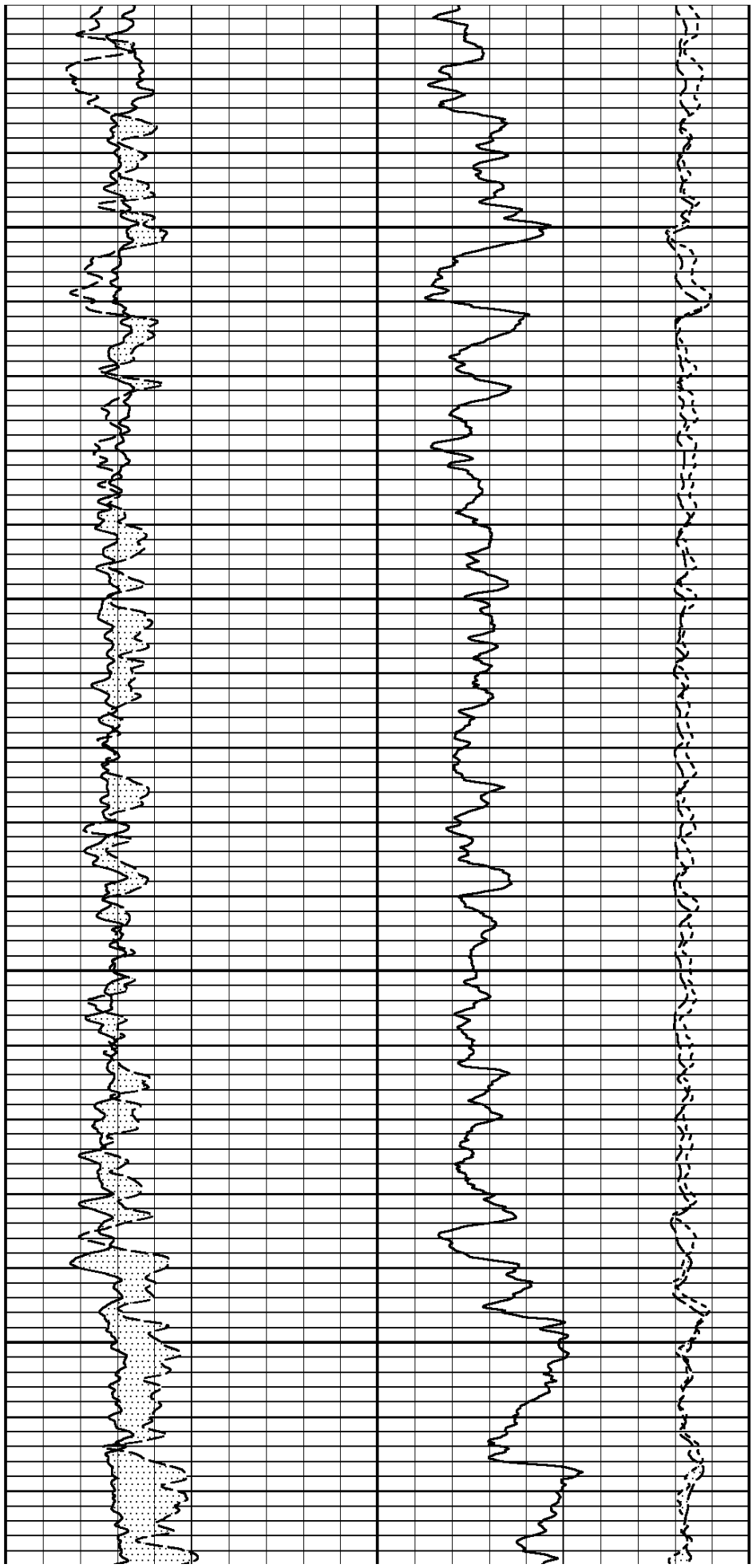


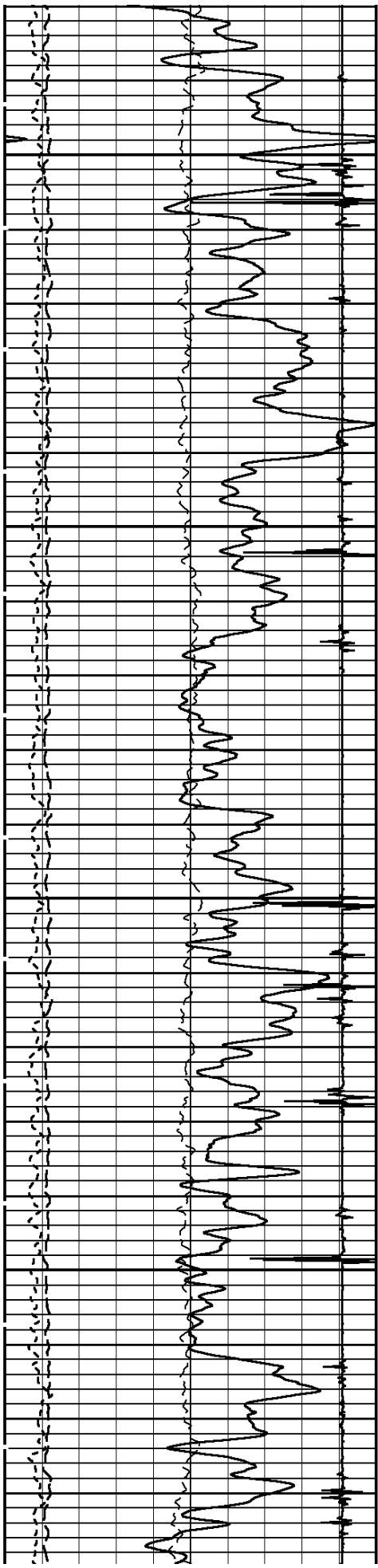




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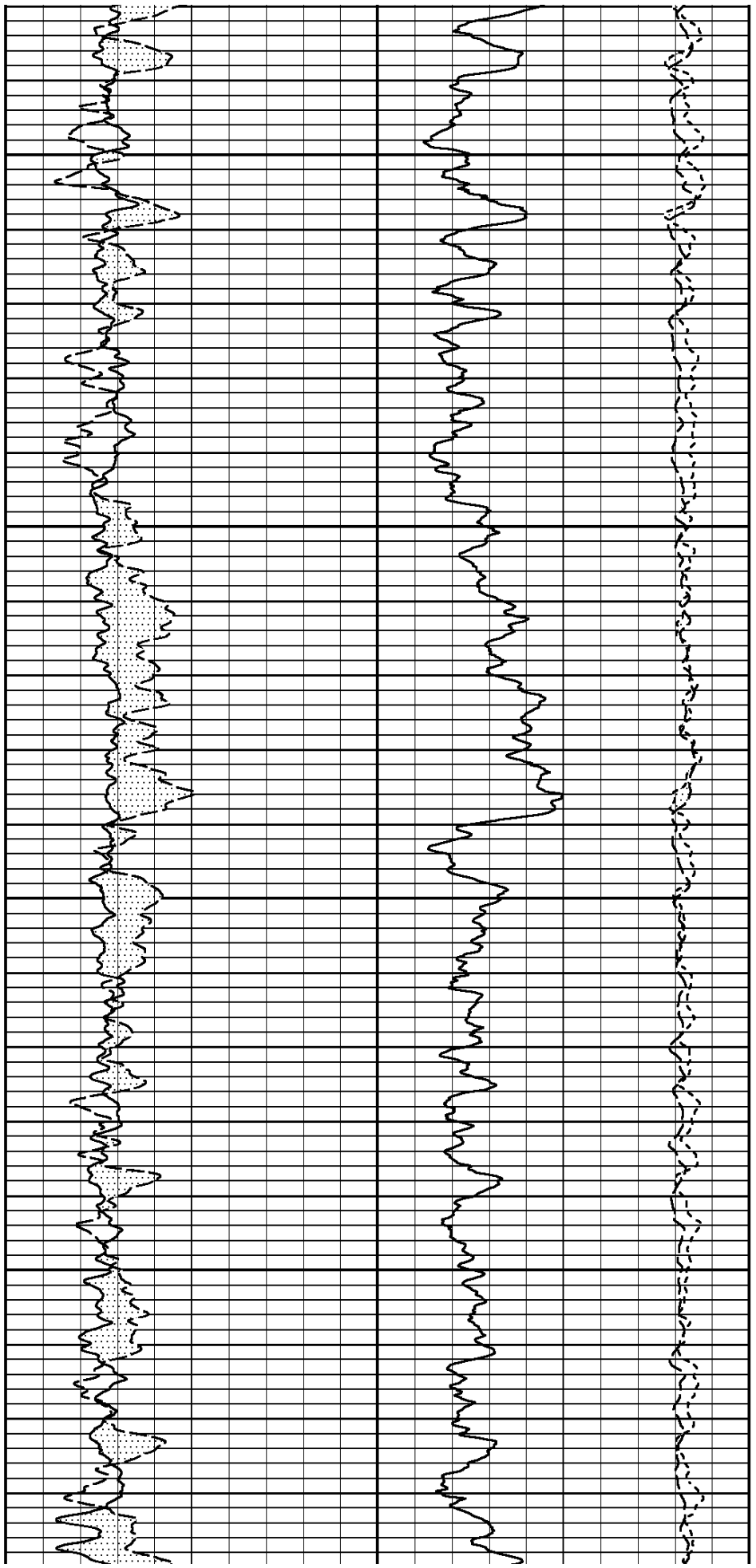
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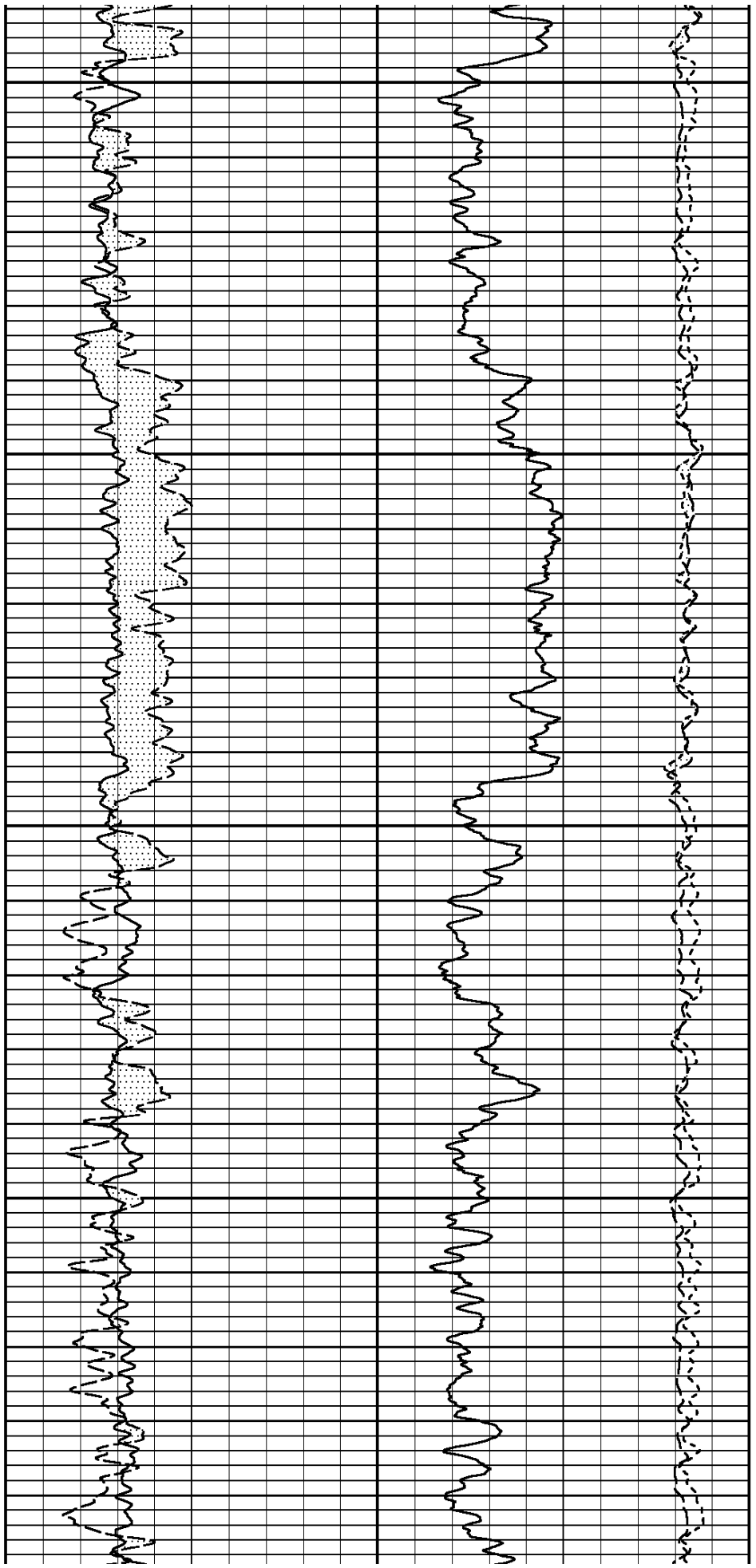
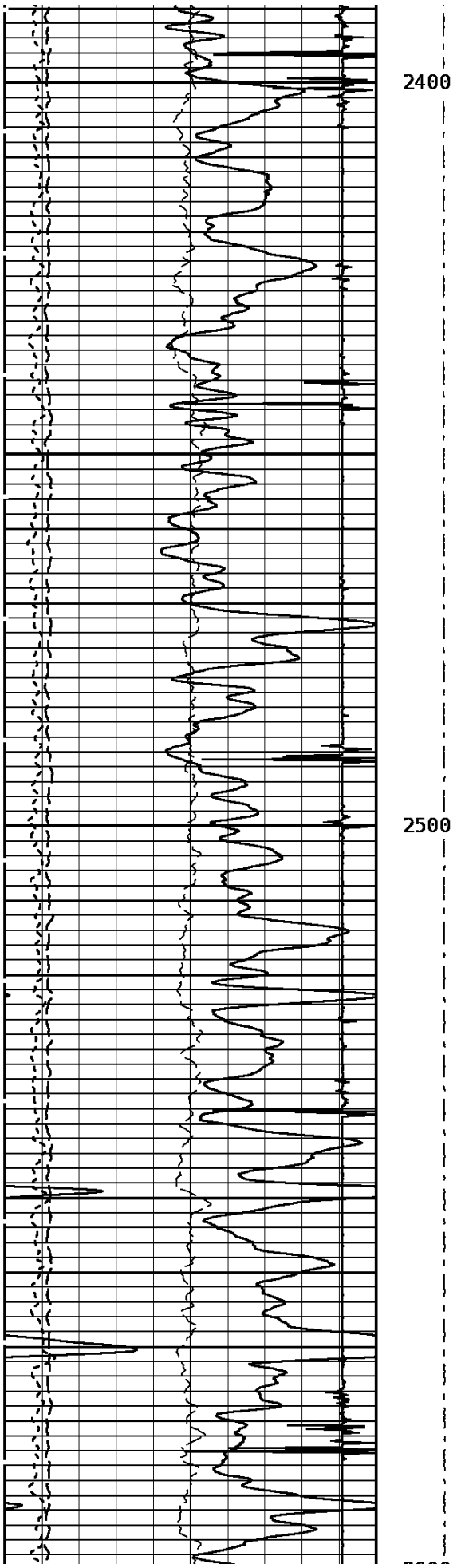


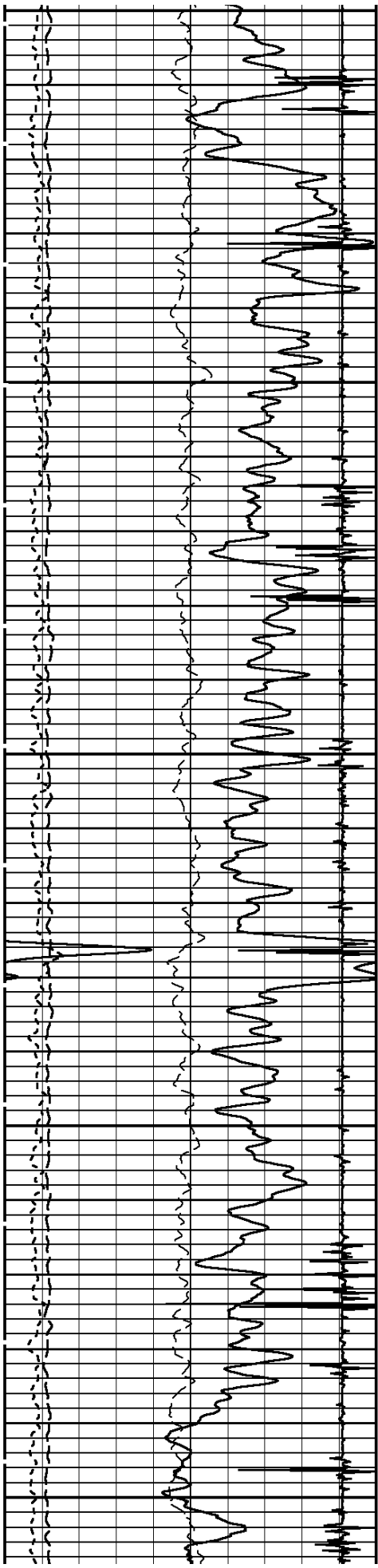


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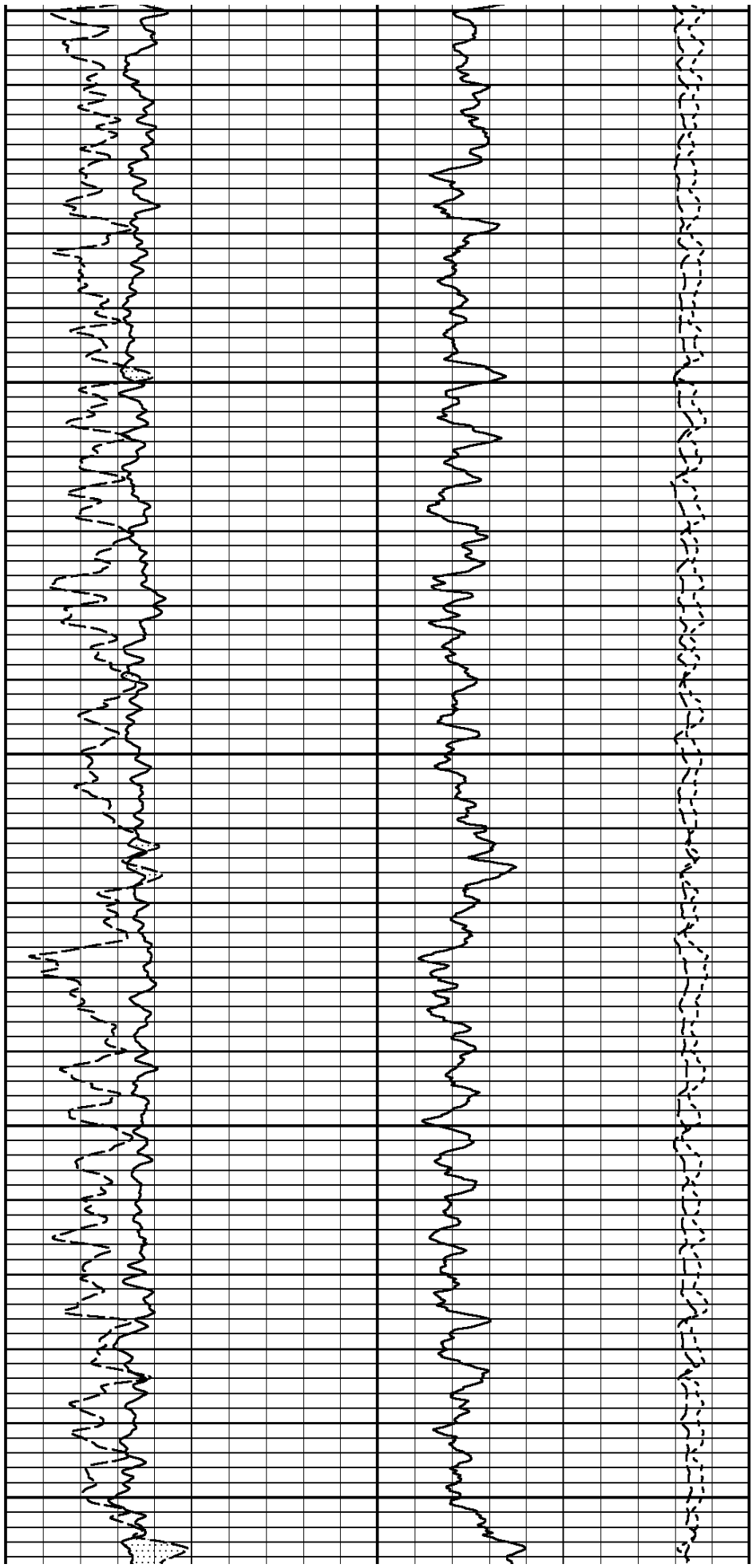


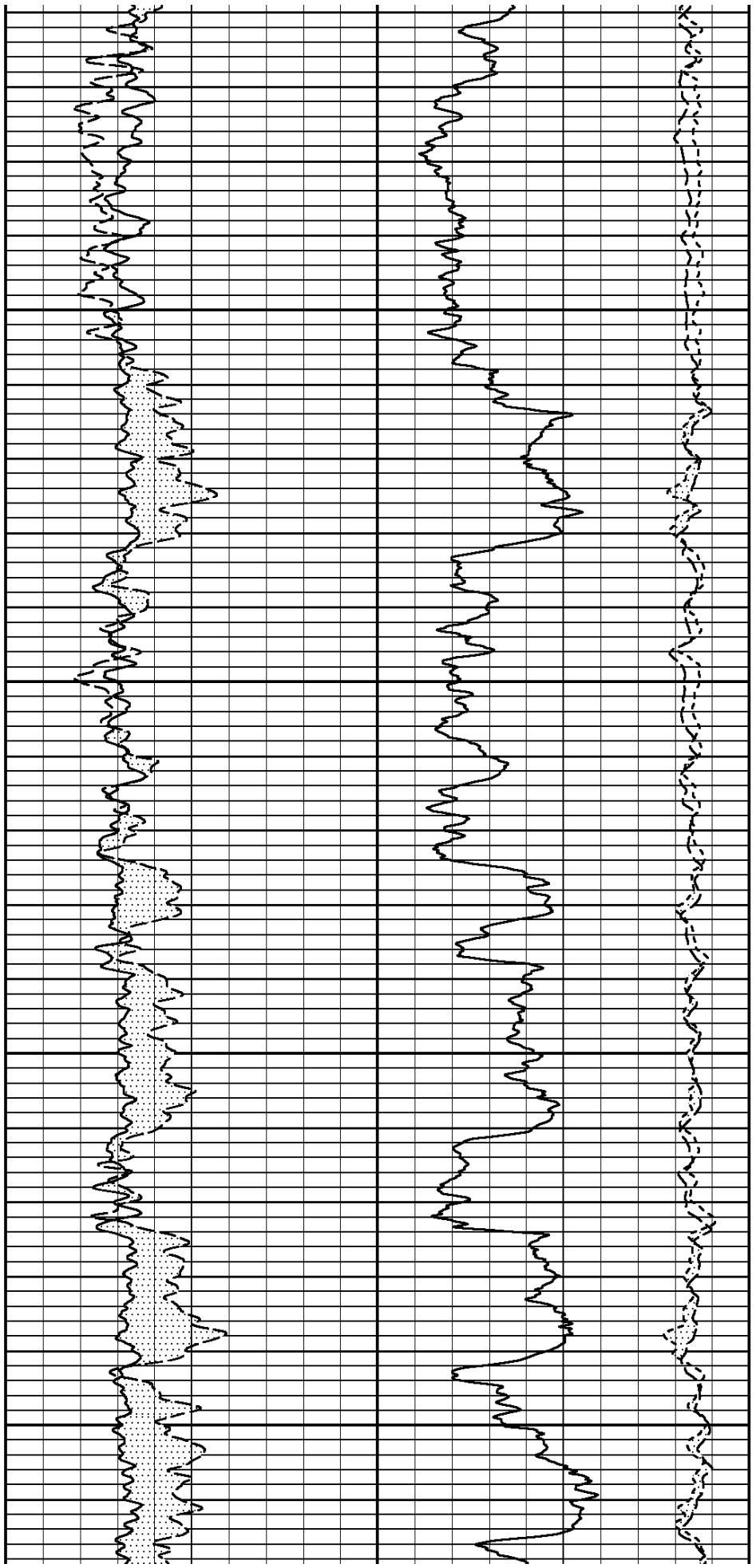
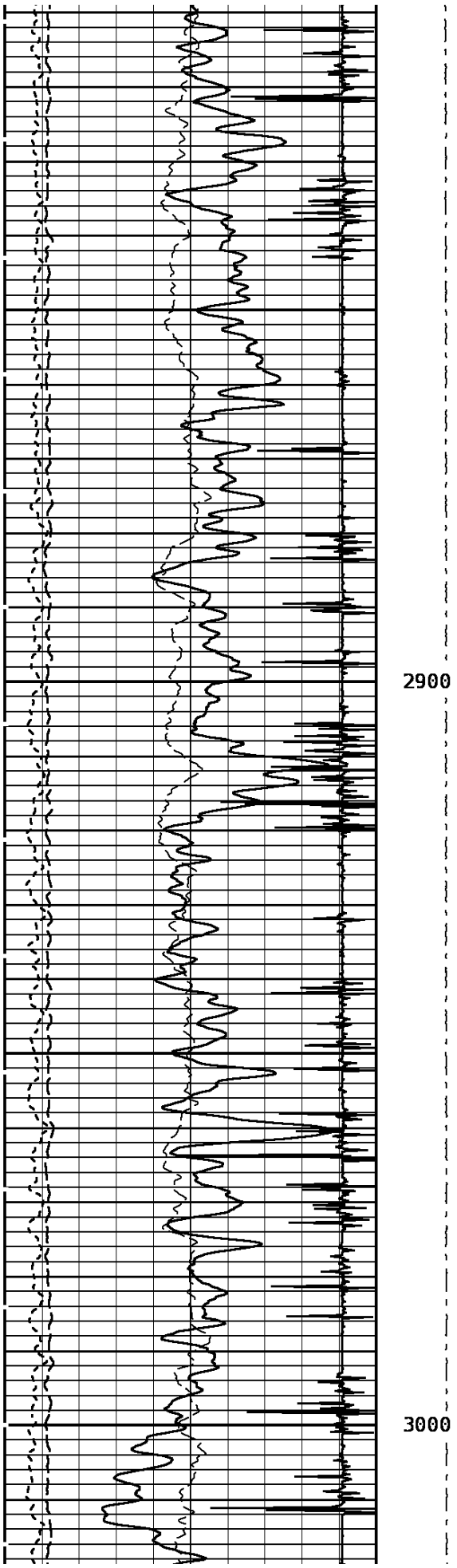


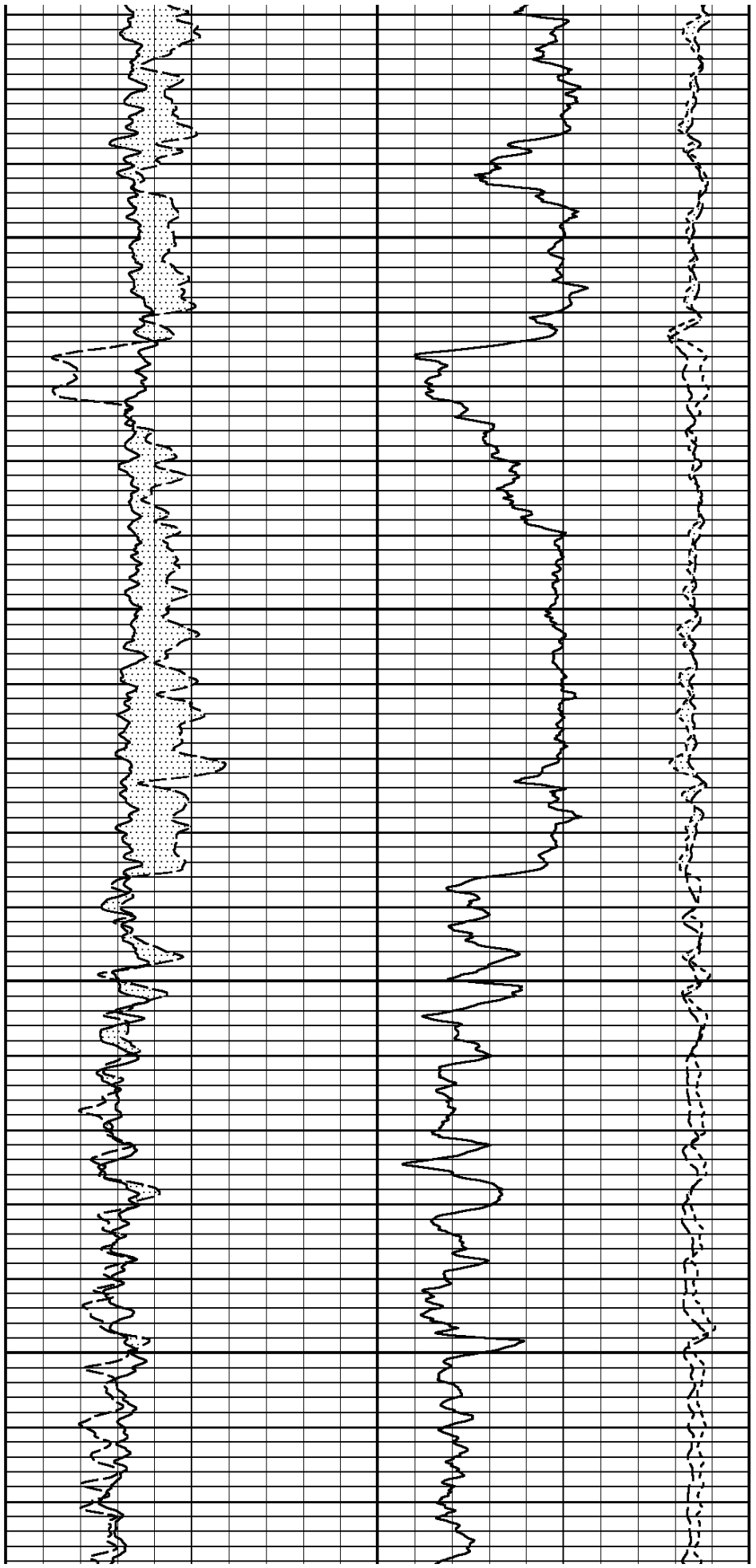
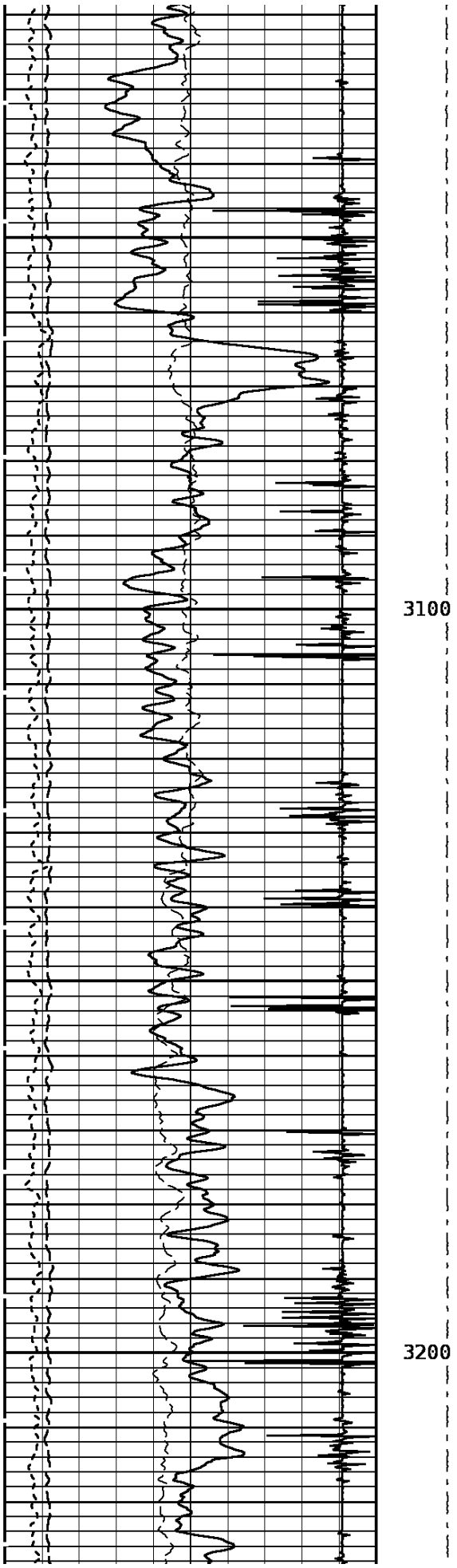
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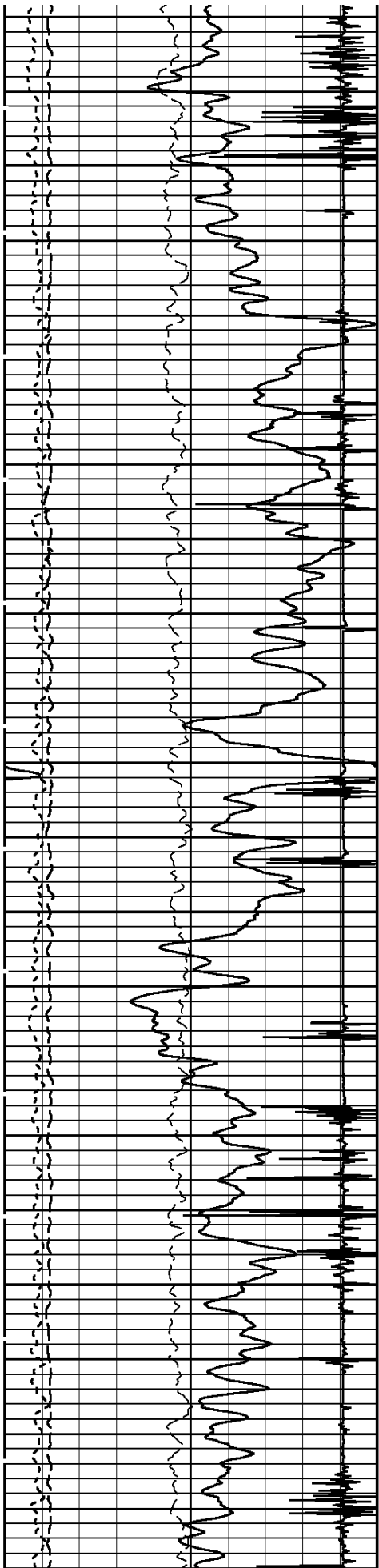
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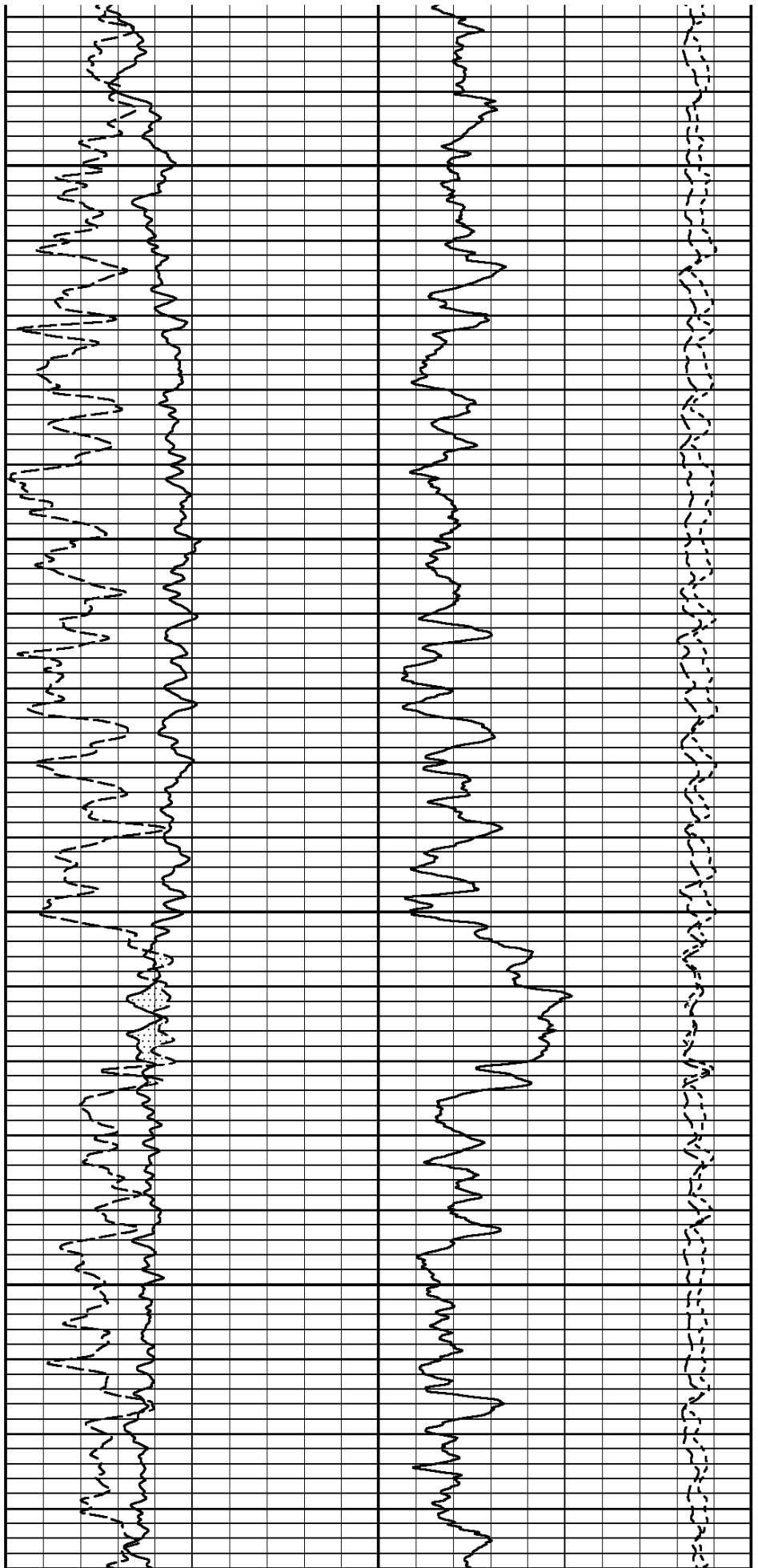




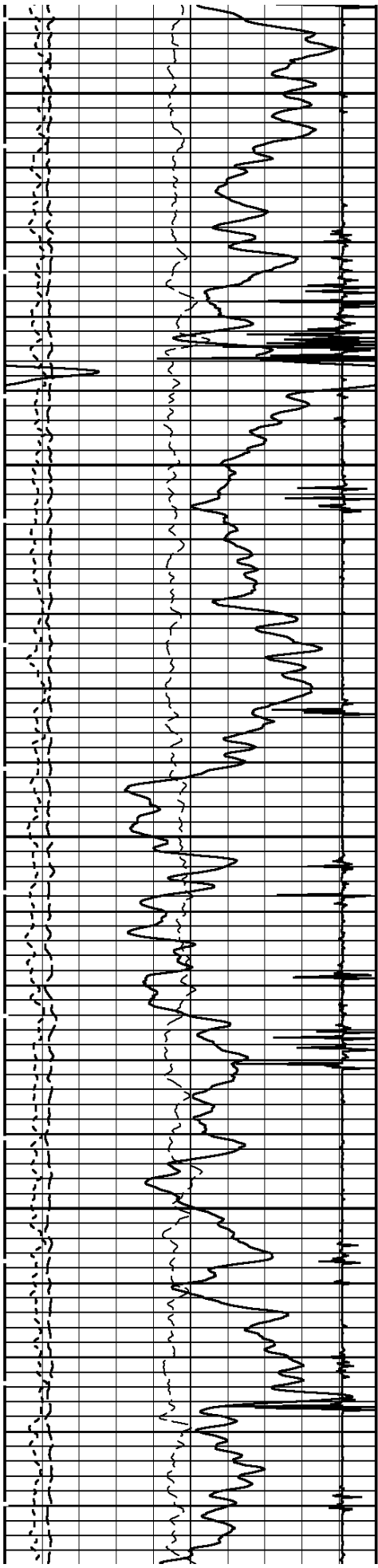


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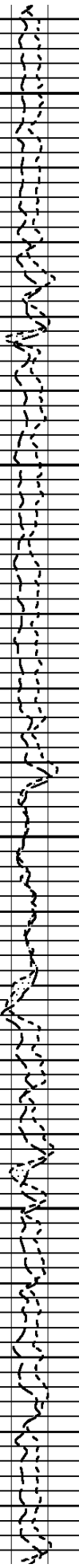
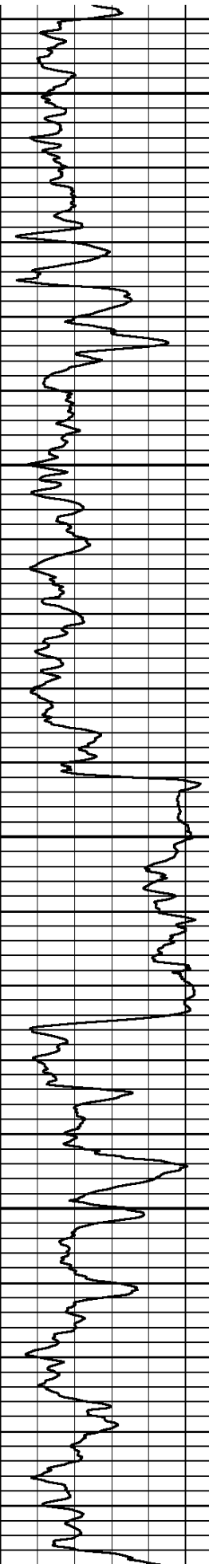
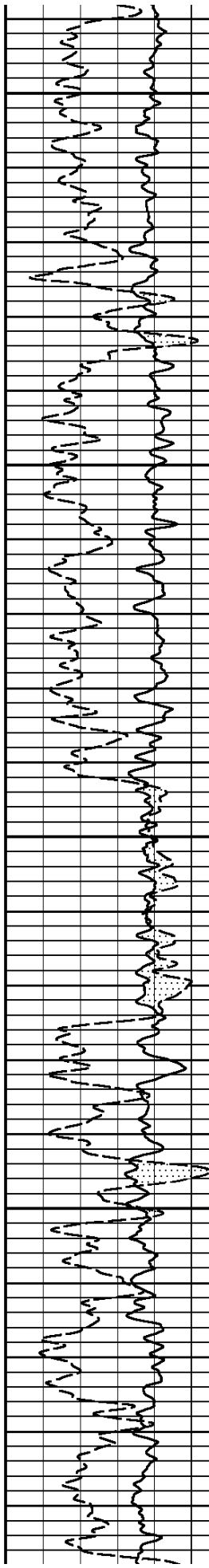


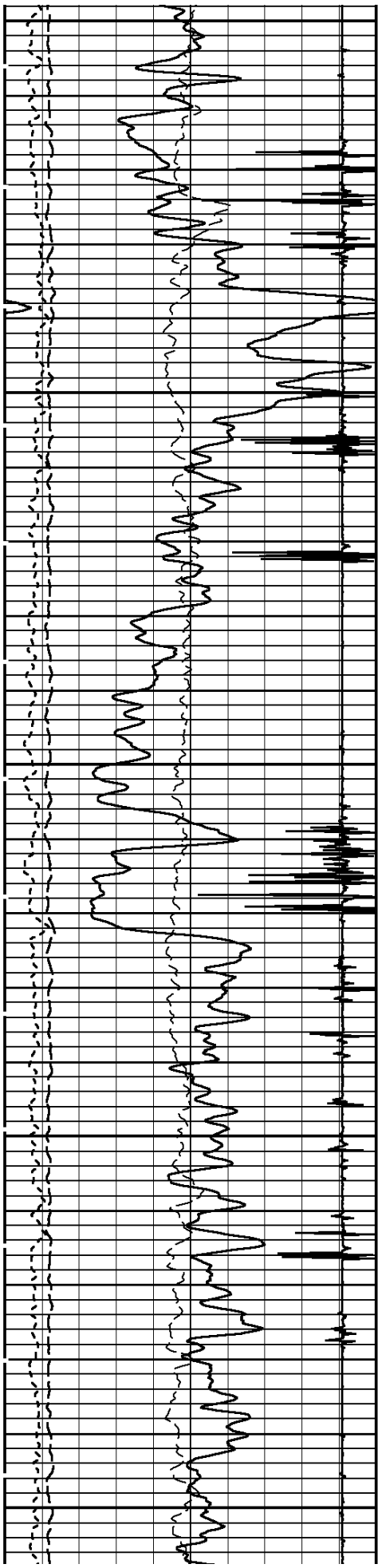




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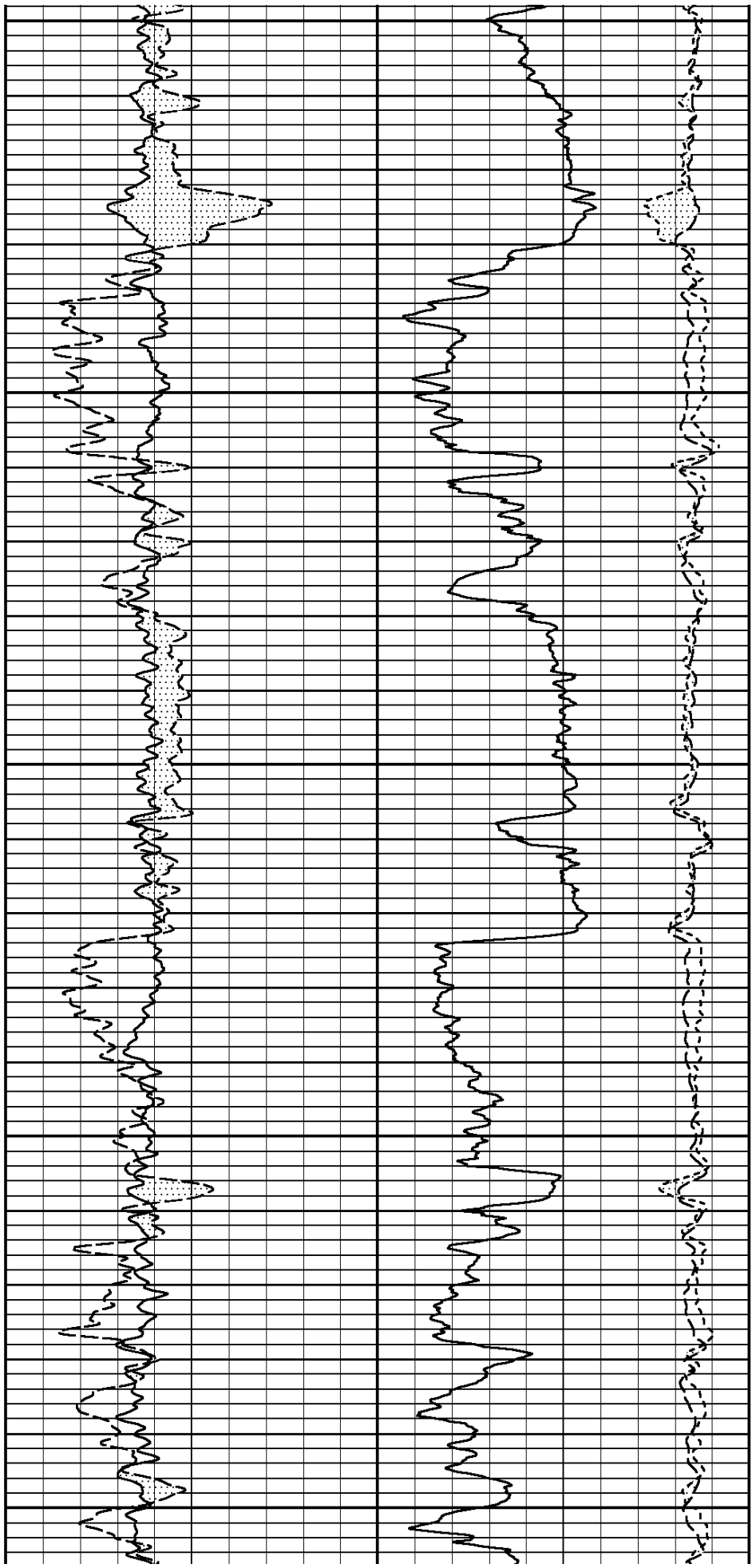
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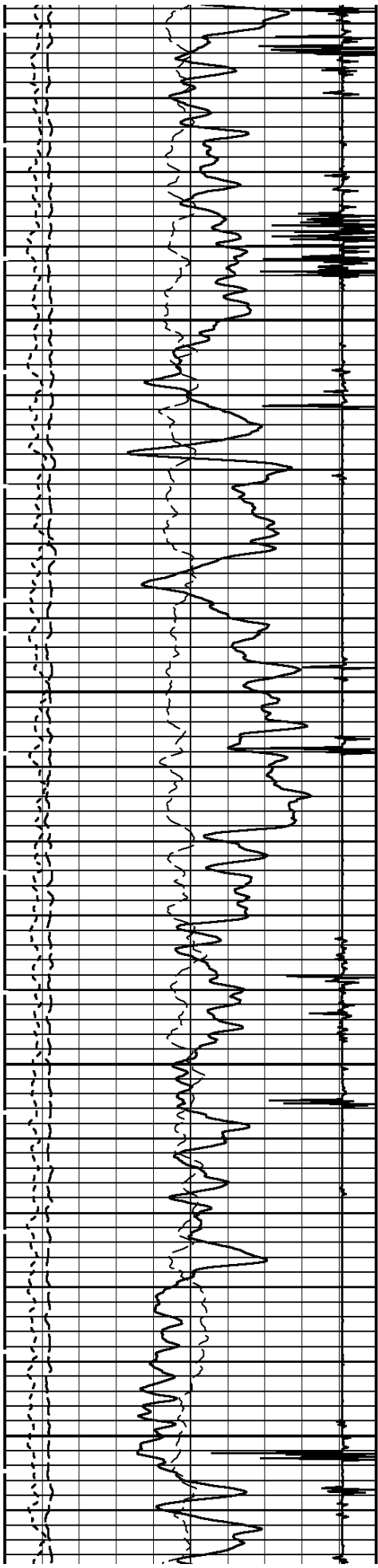




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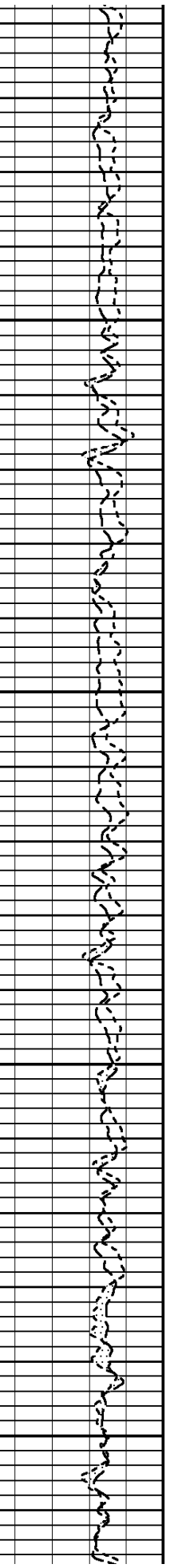
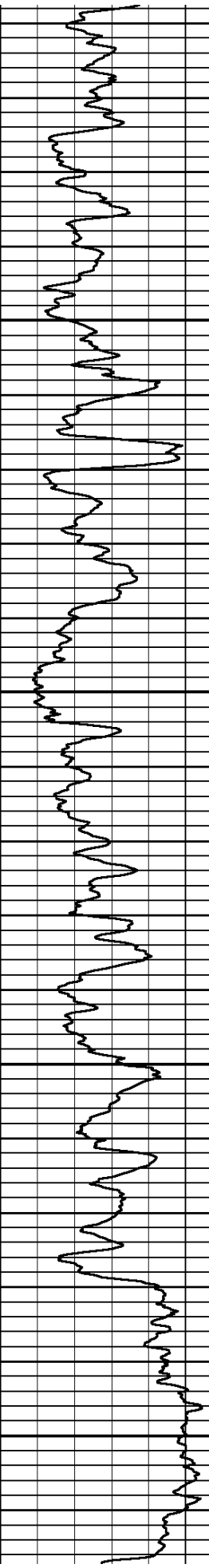
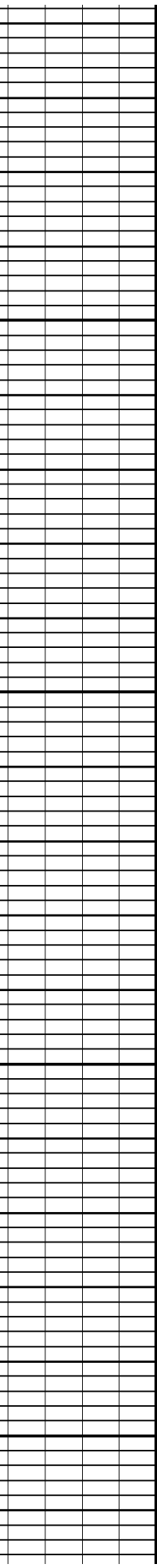
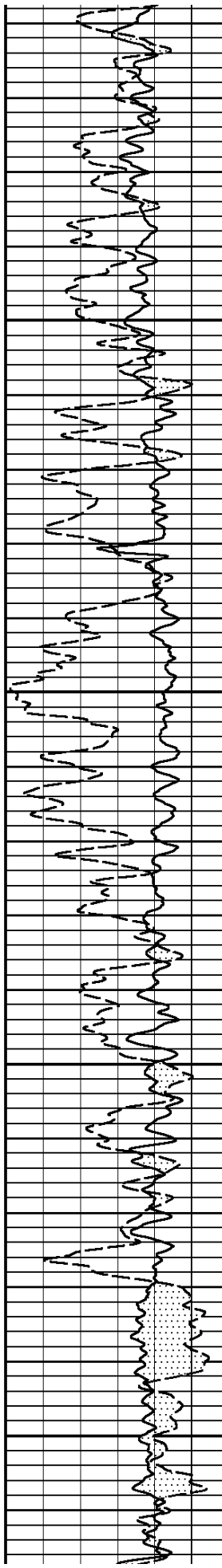
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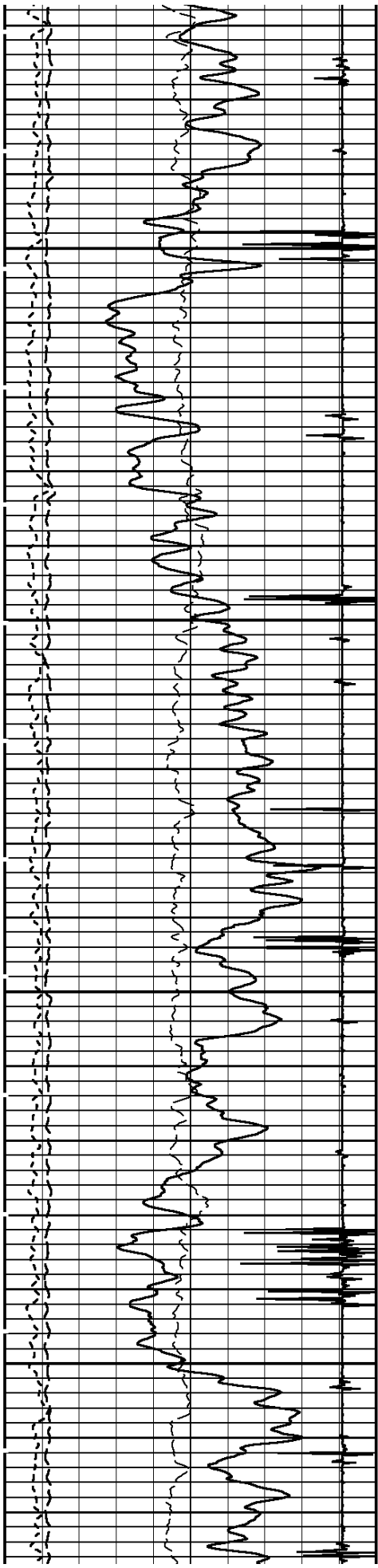




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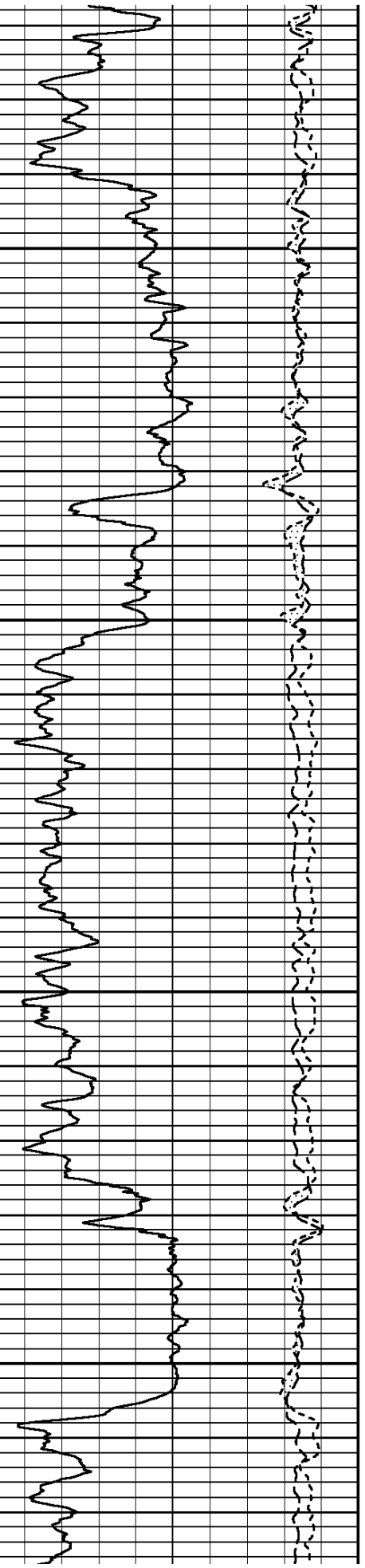
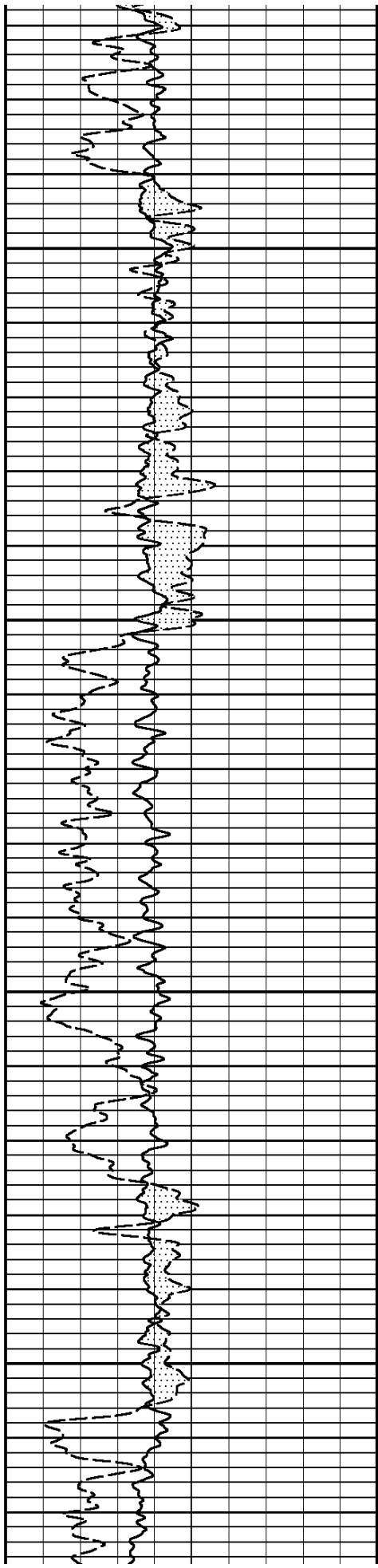
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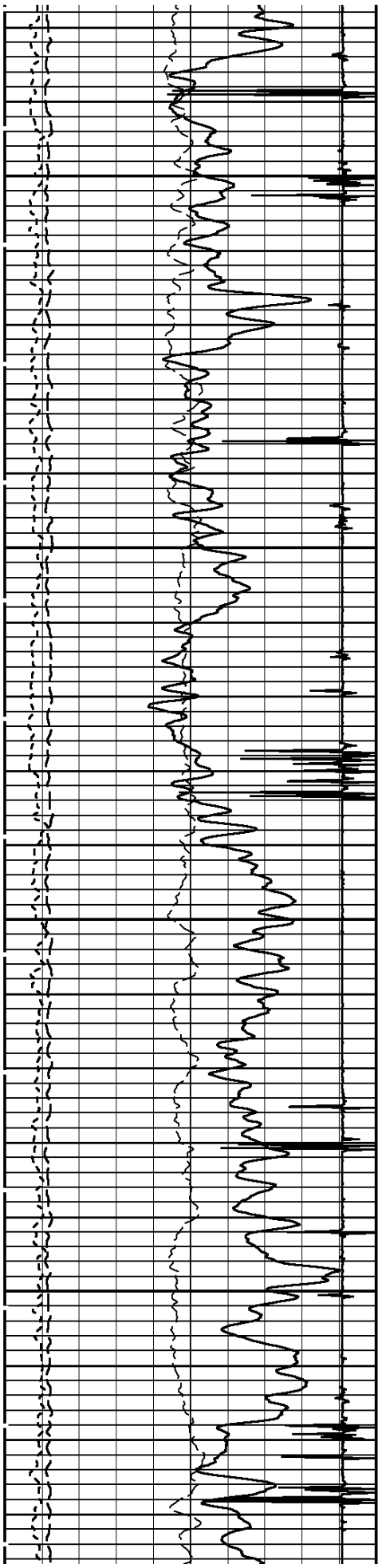




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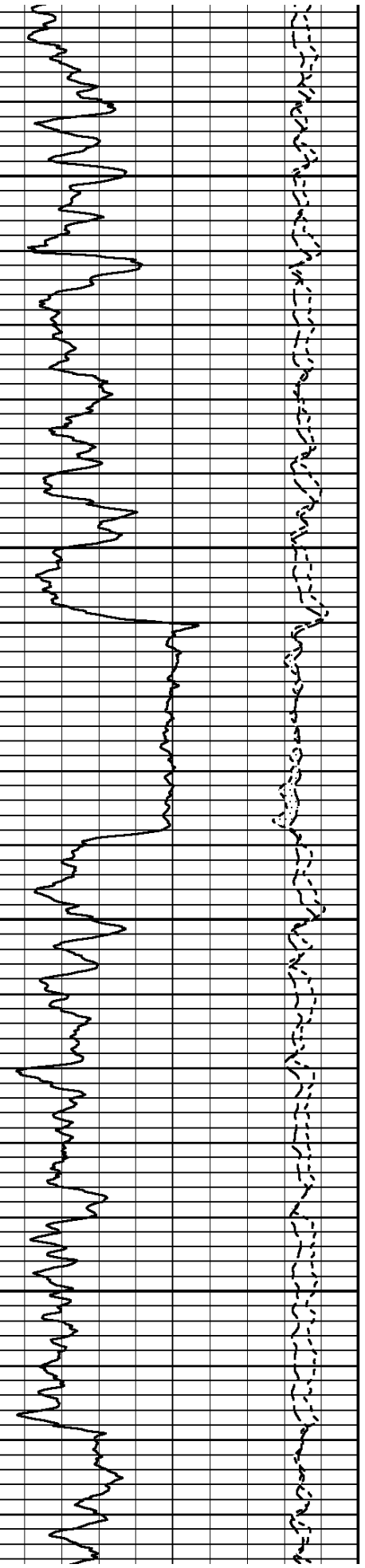
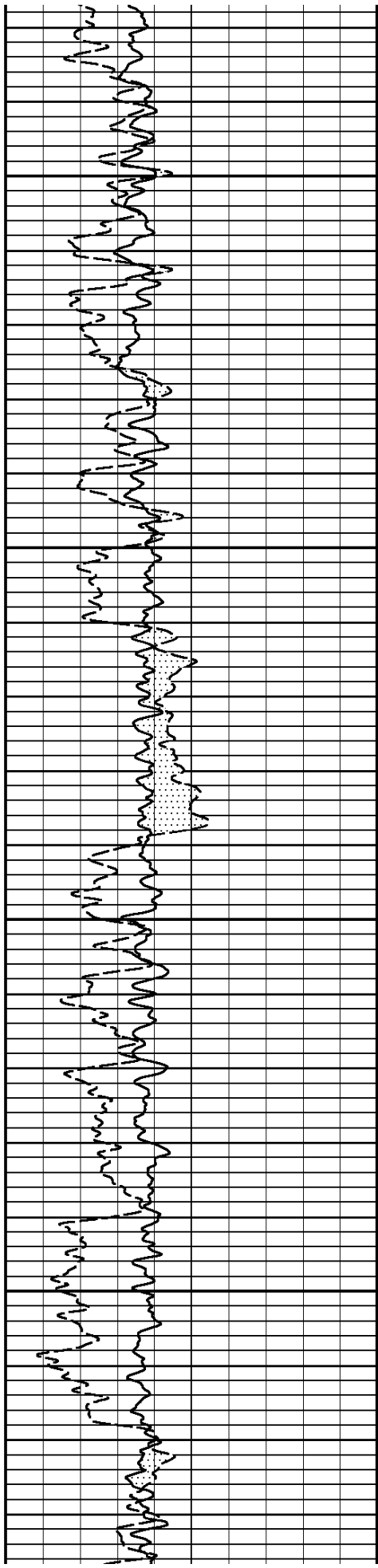
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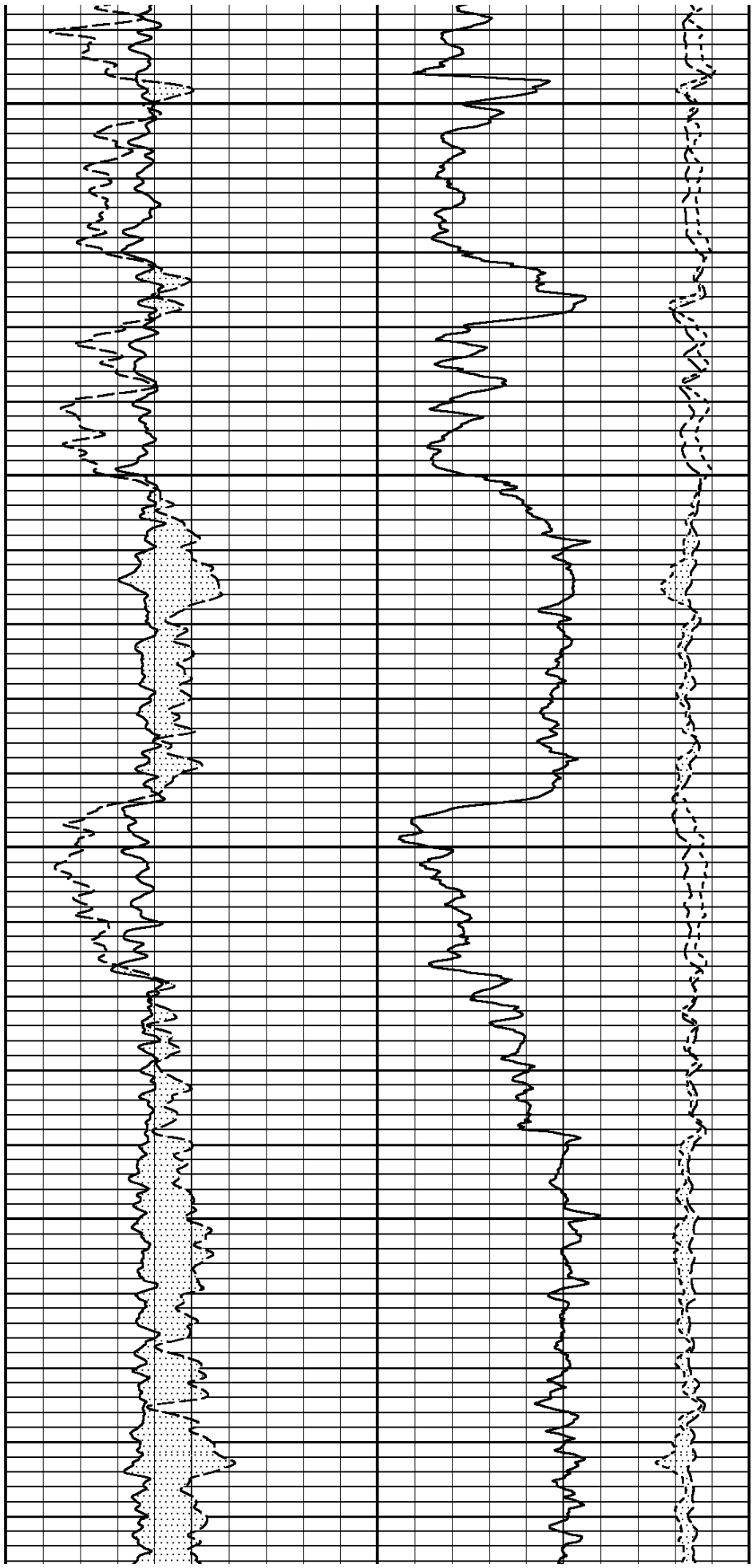
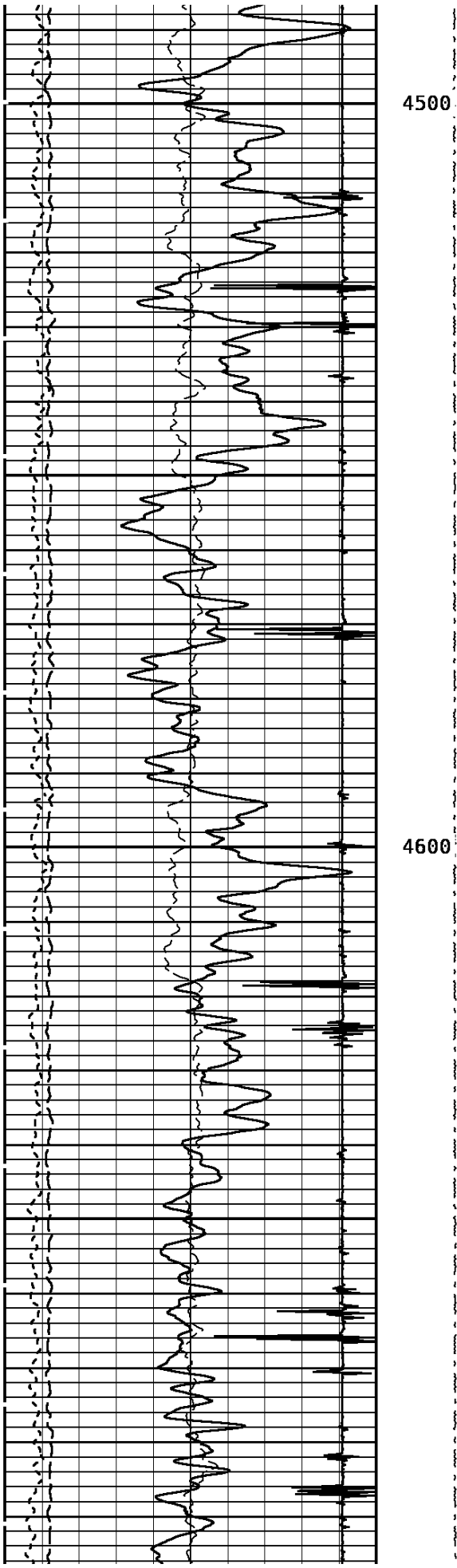


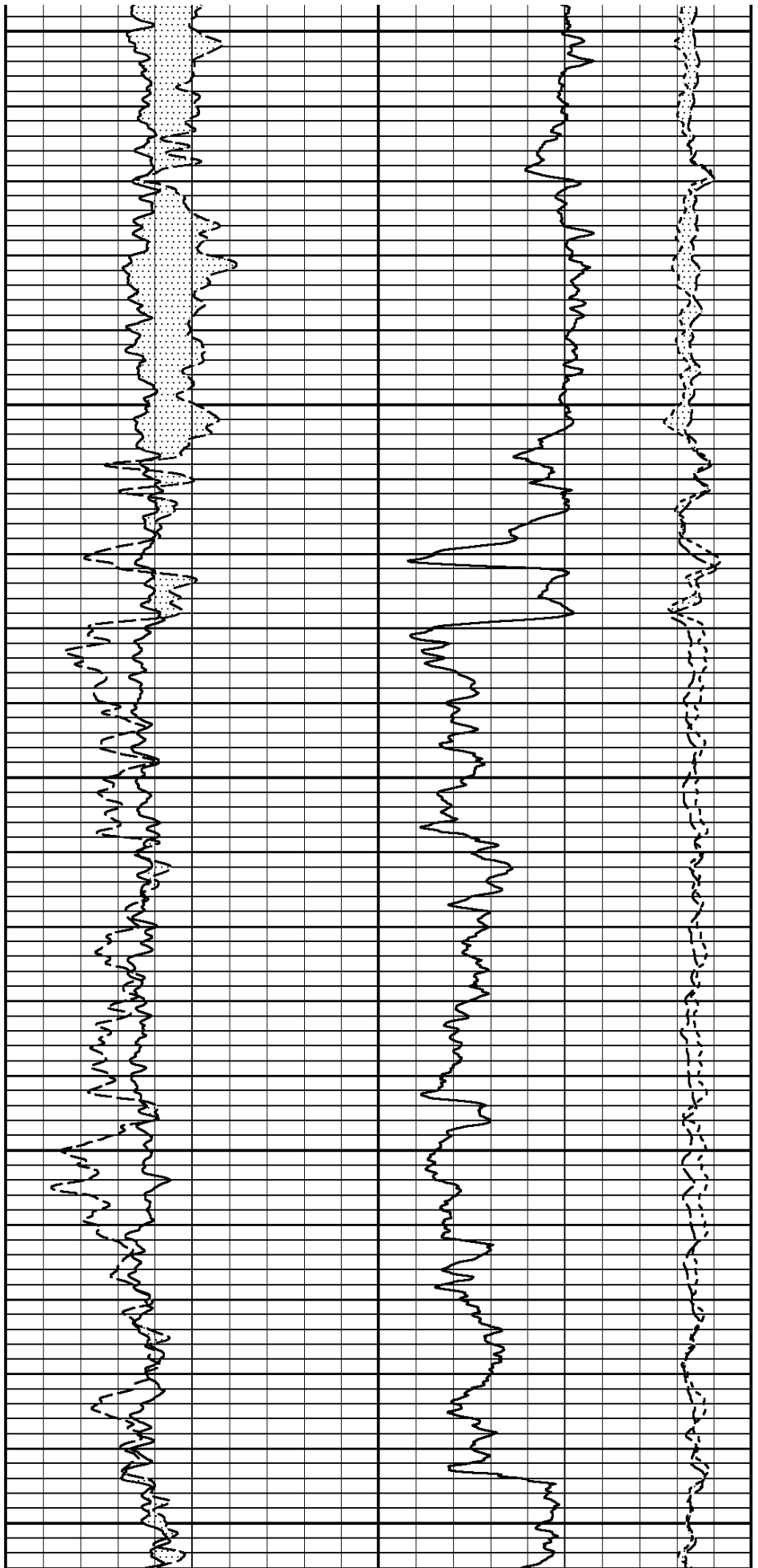
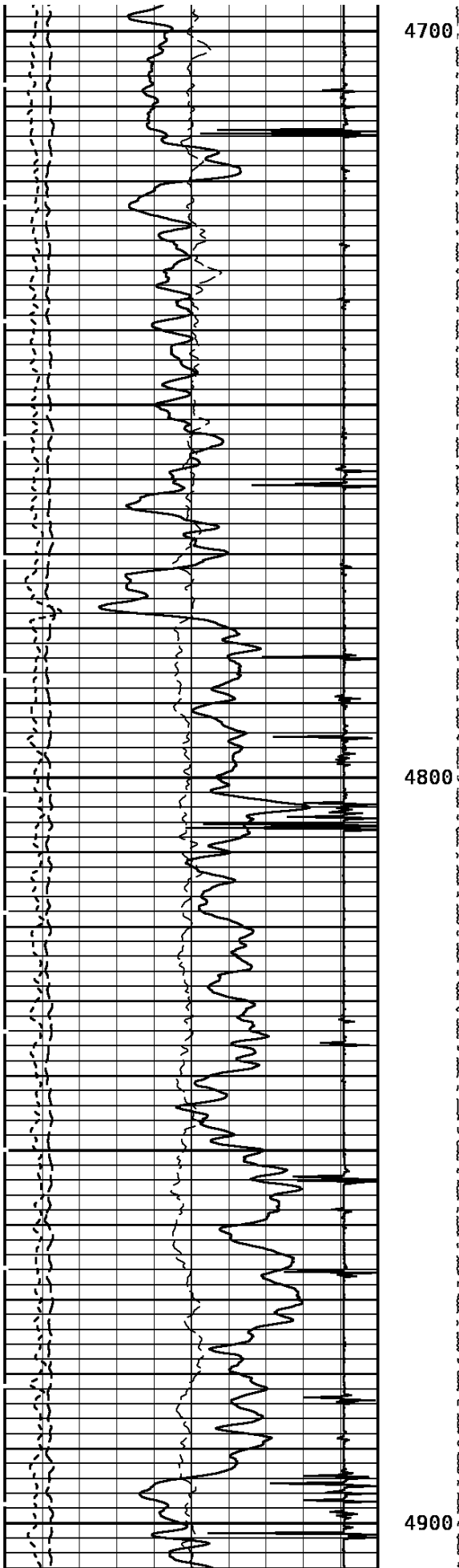


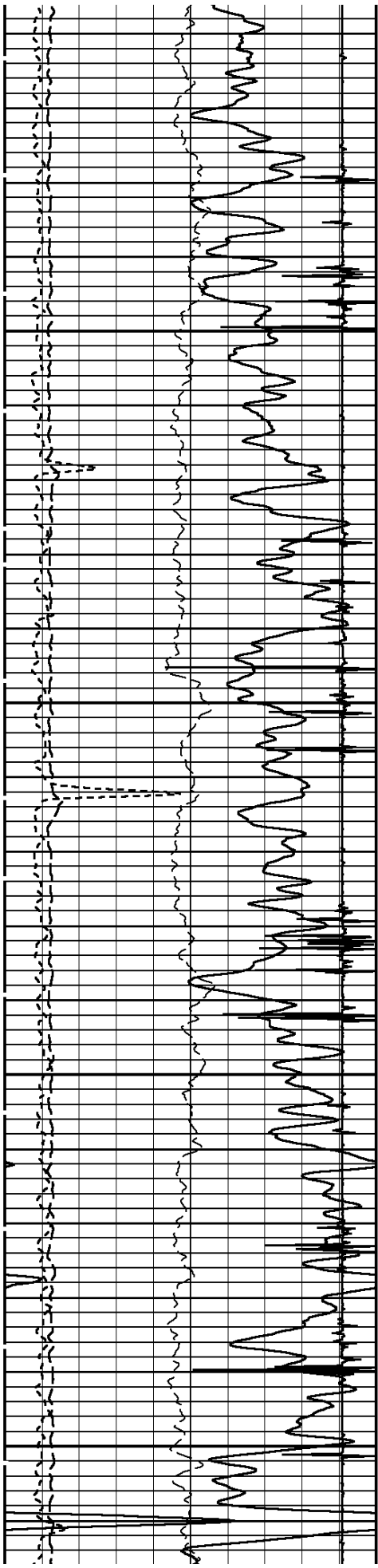
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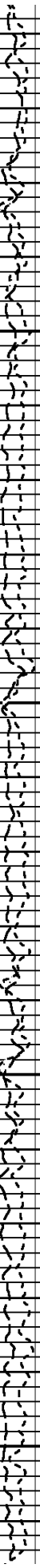
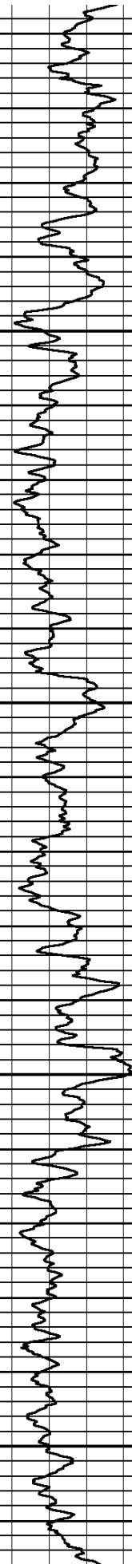
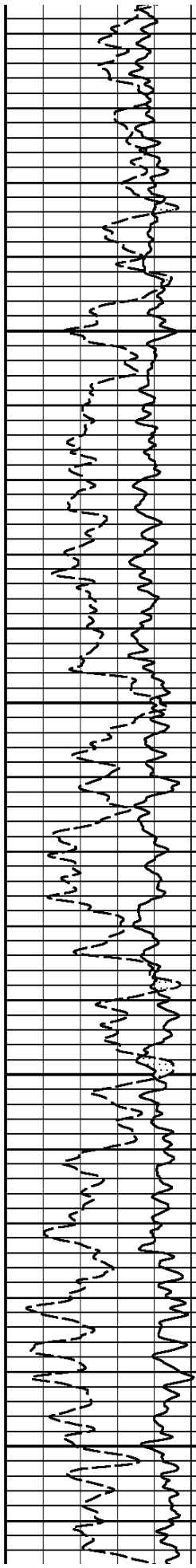




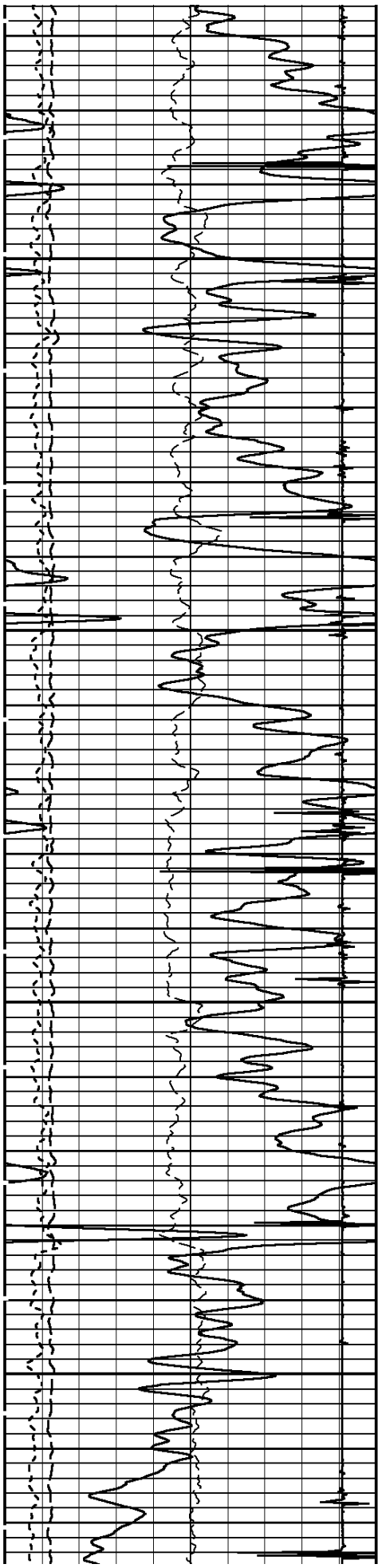


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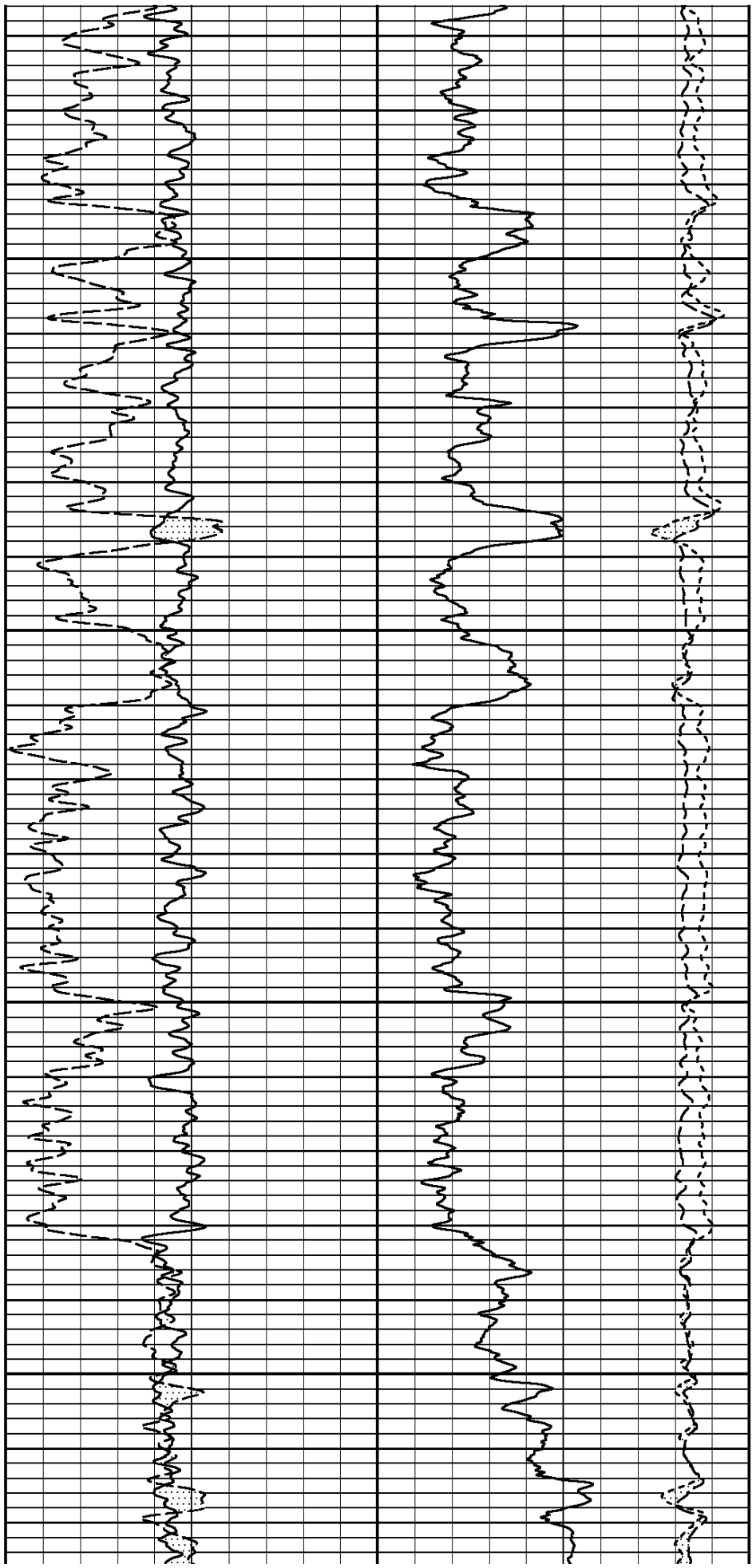


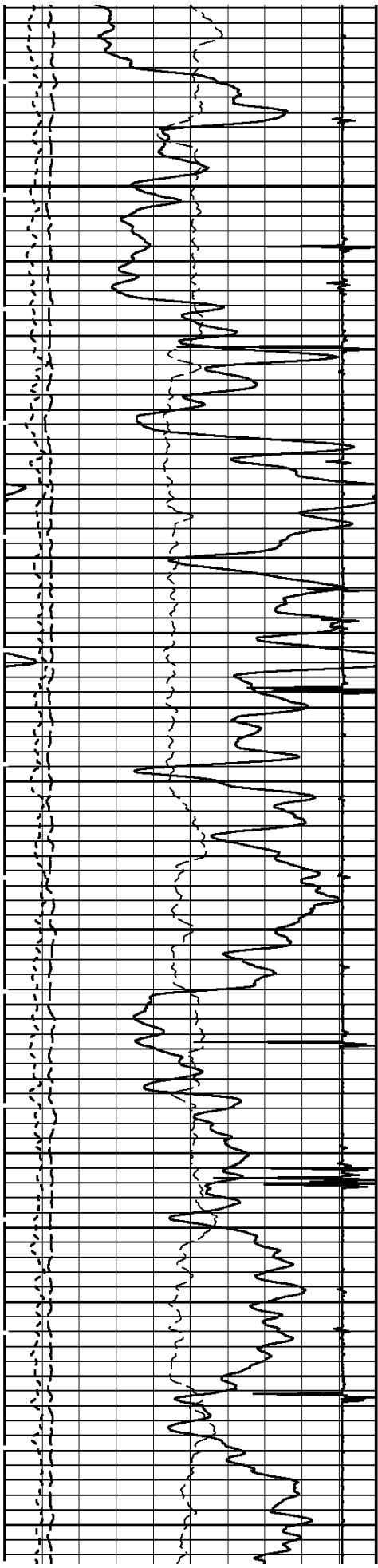




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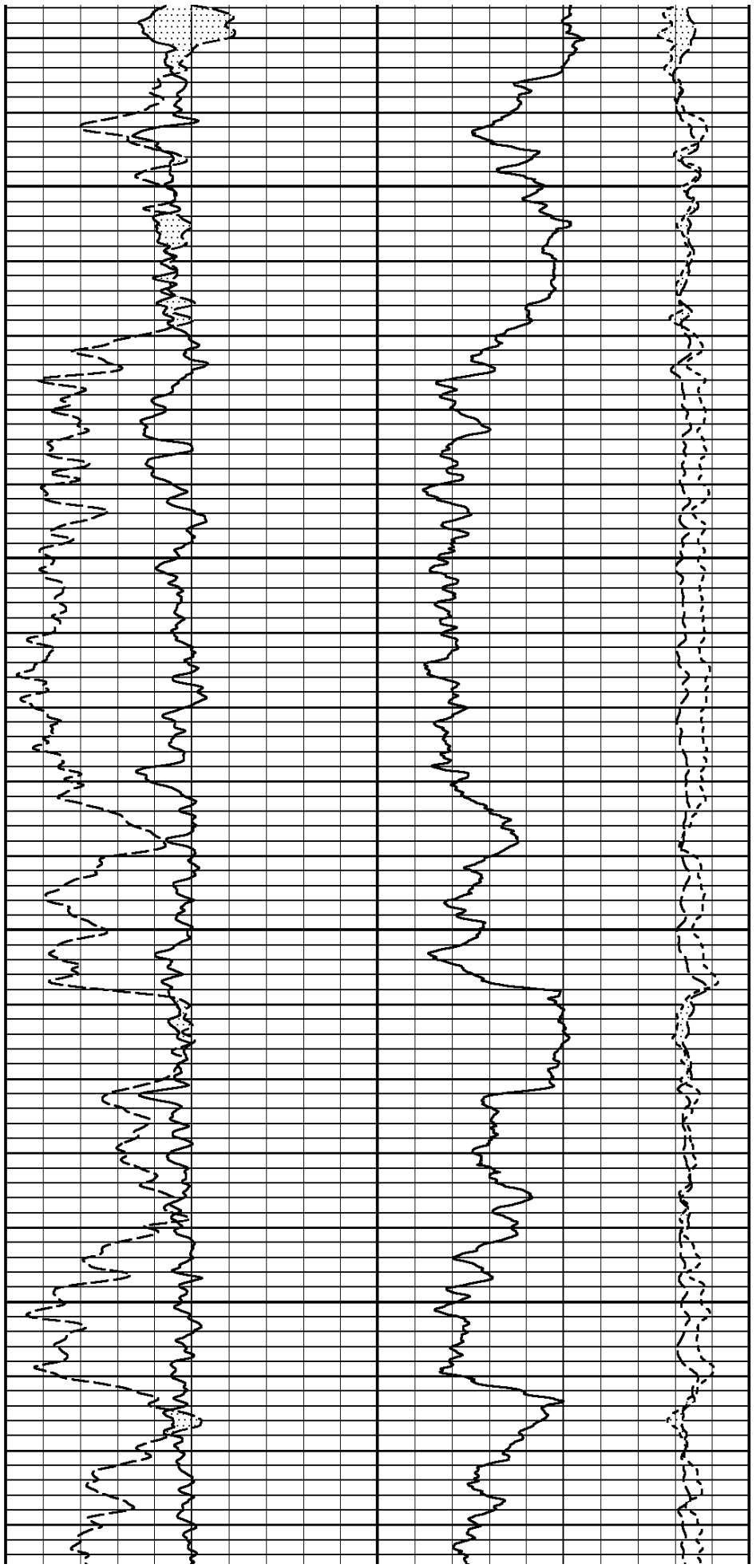
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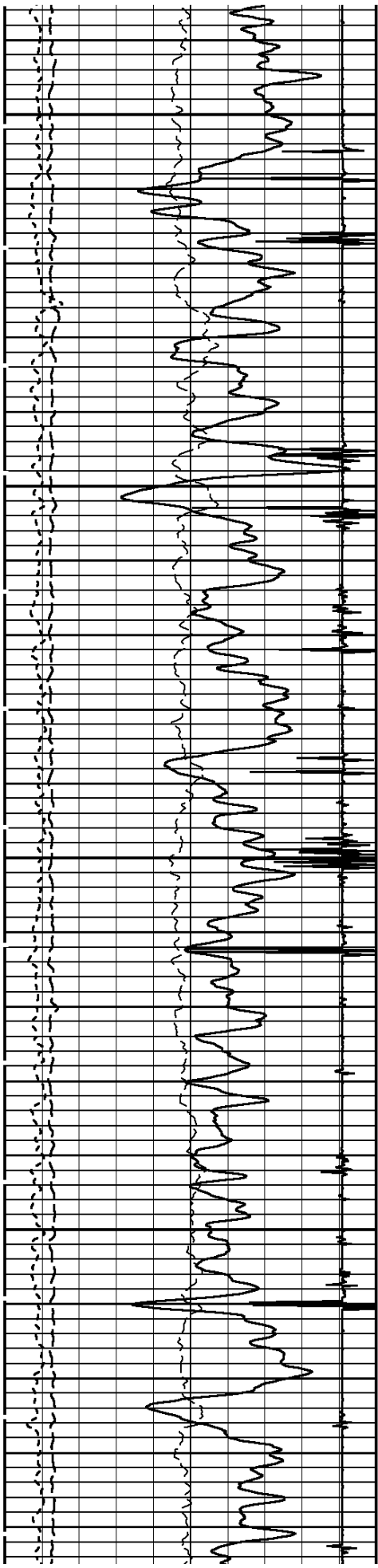




5400

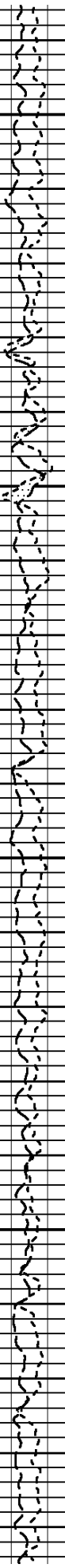
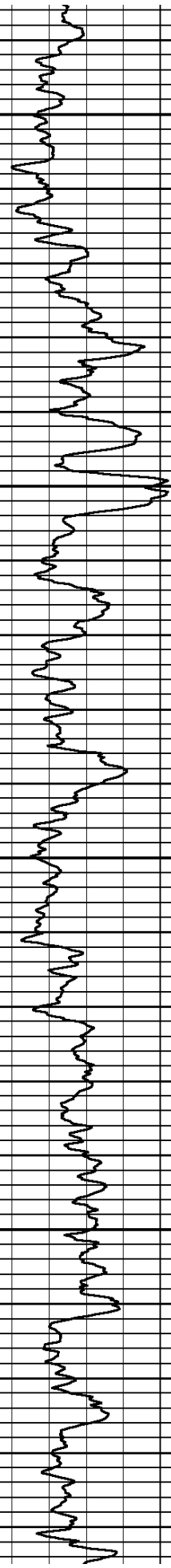
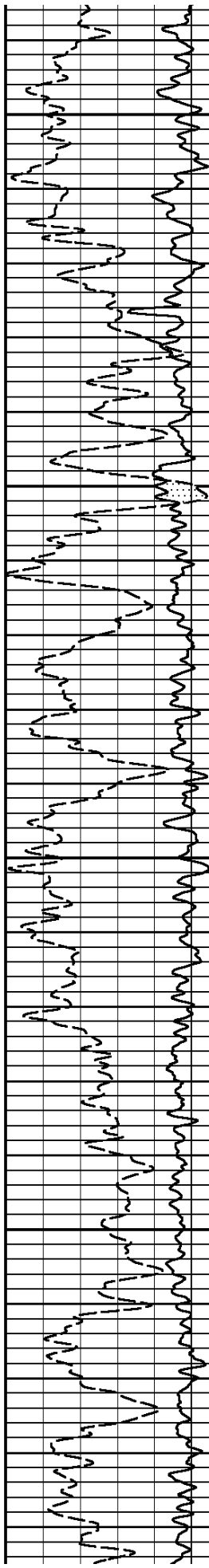
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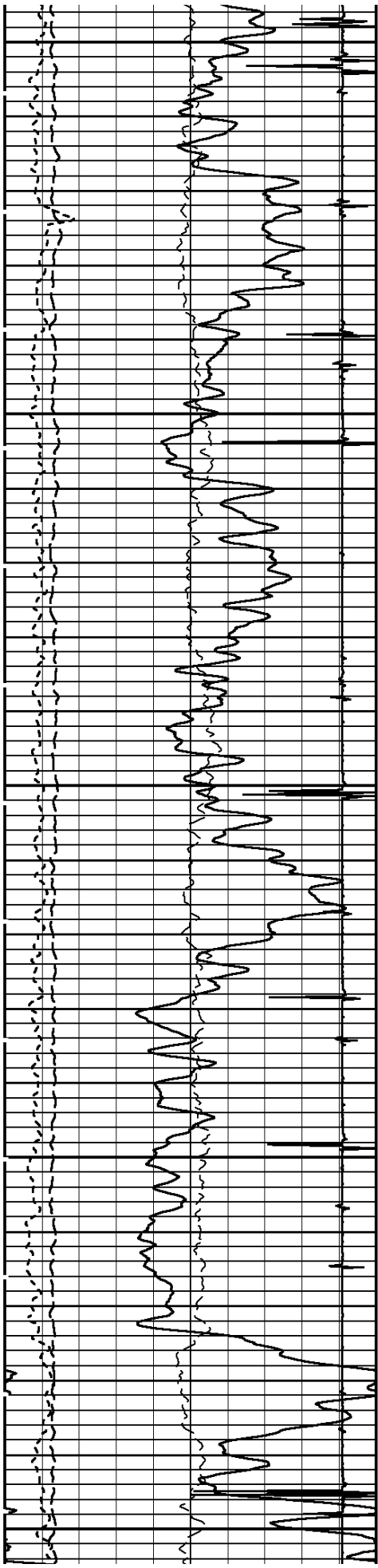




5600

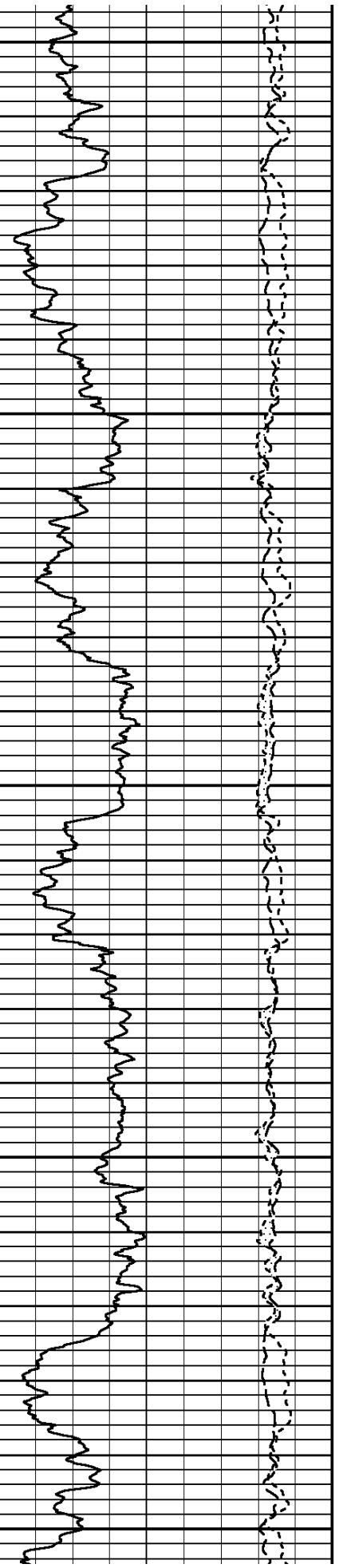
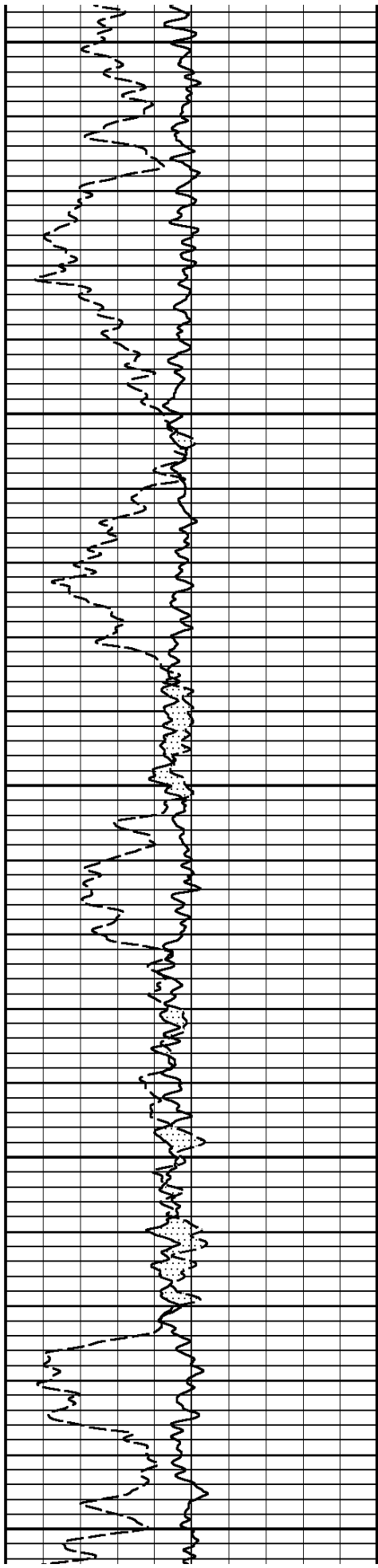
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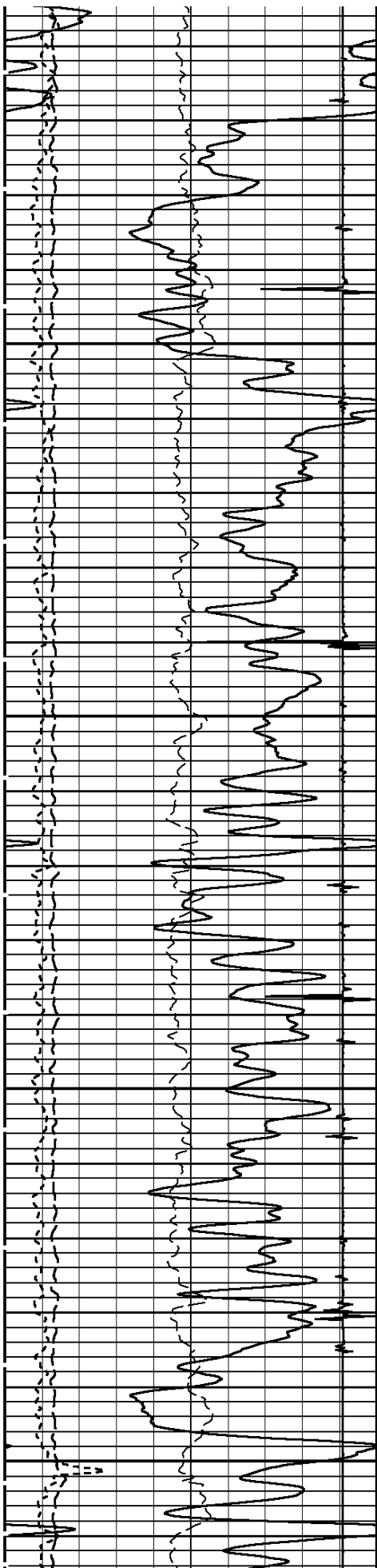




5800

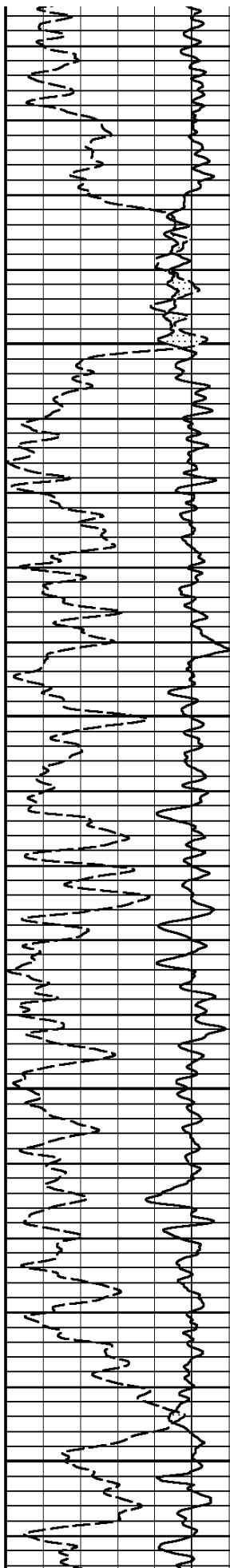
5900





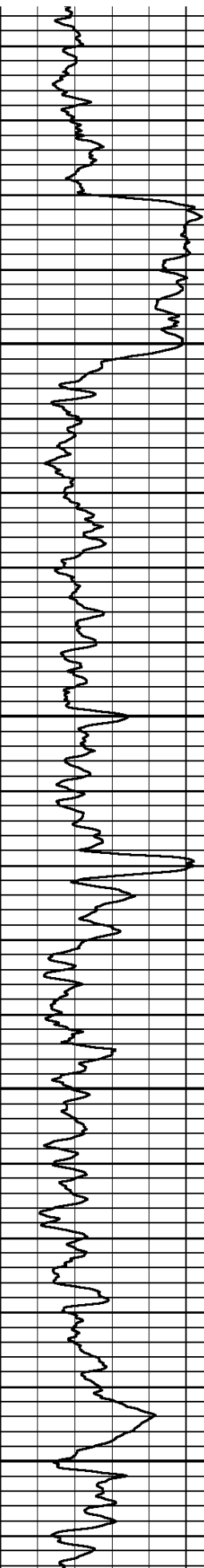
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6100



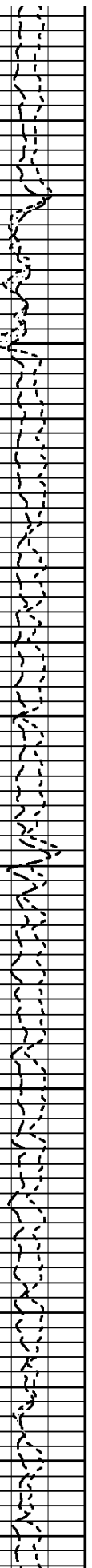
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6100



6000

6100

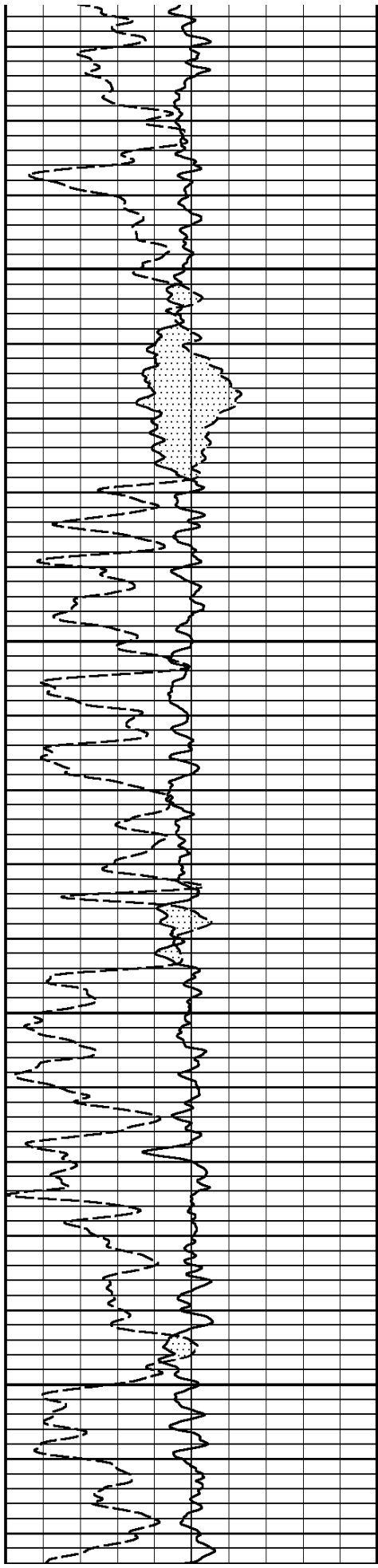


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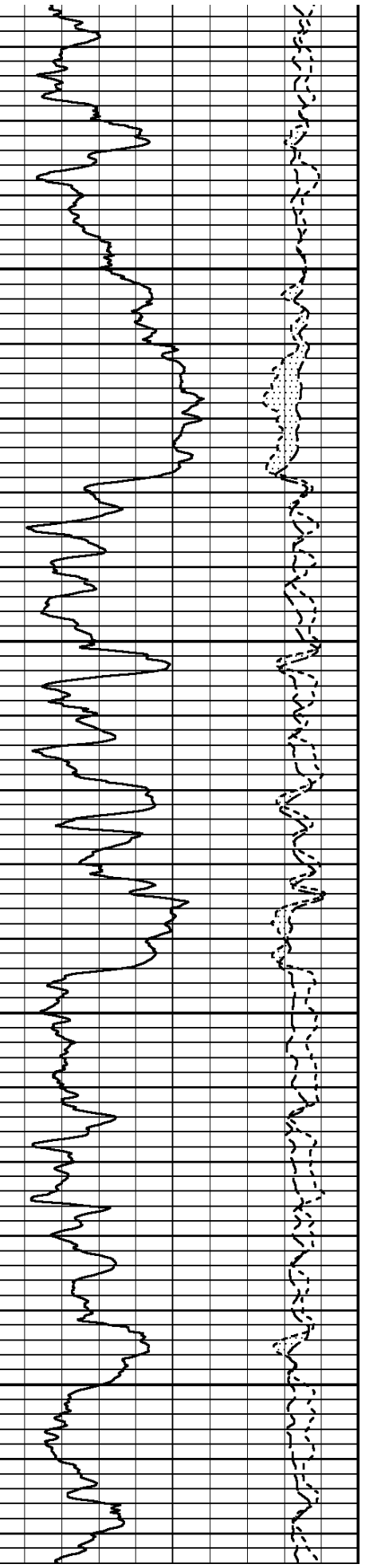
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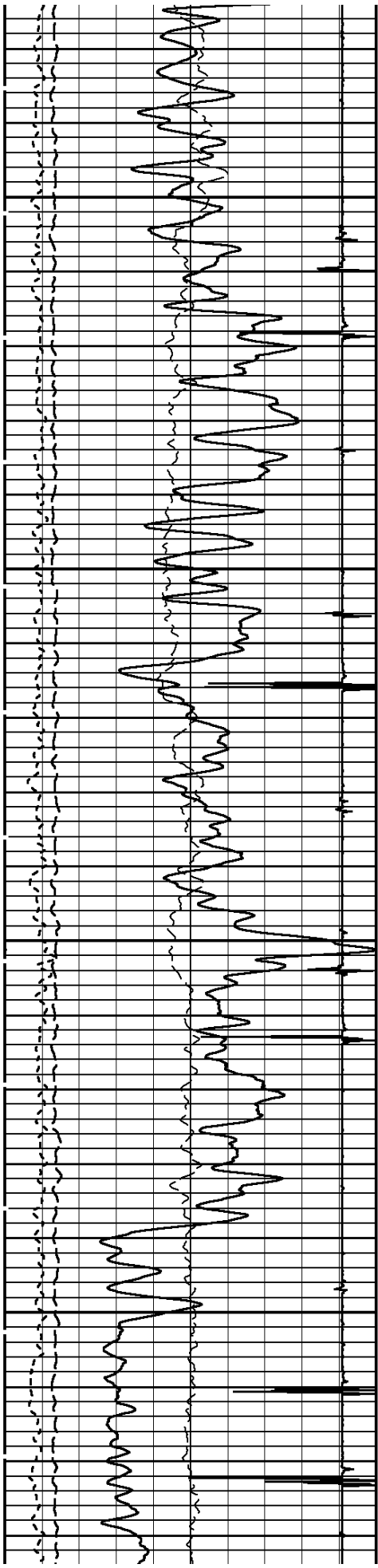


6200

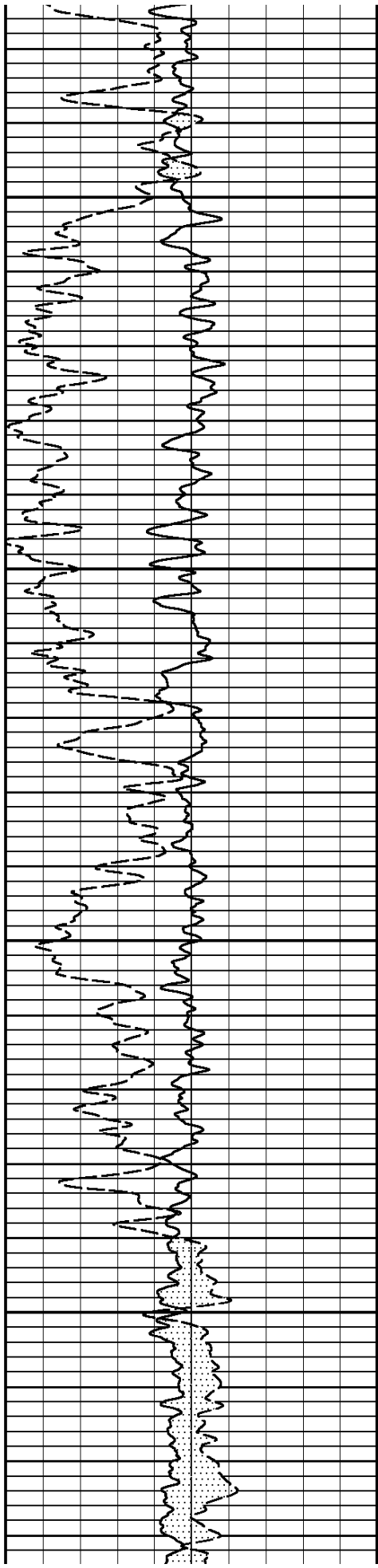


6300

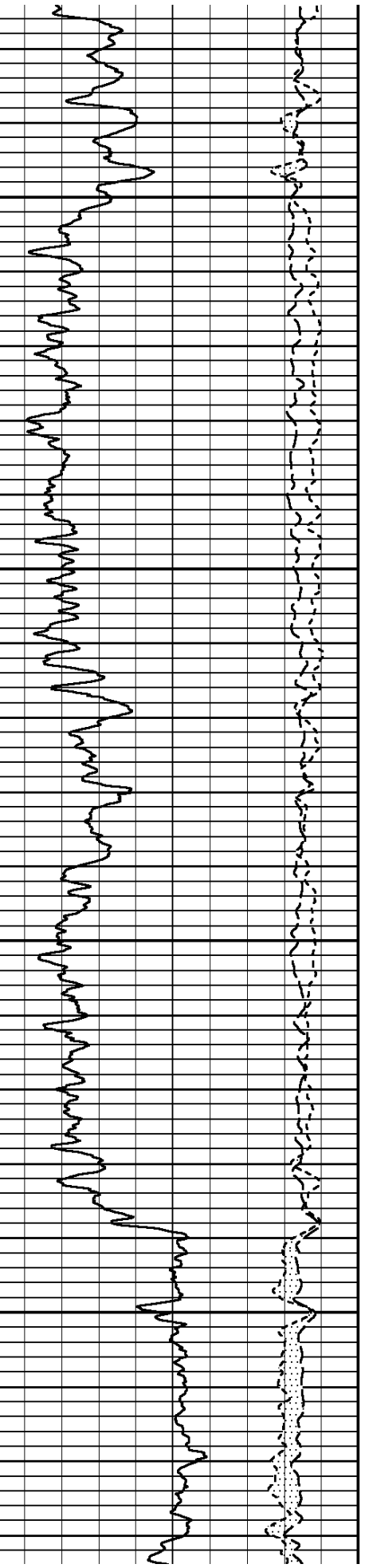


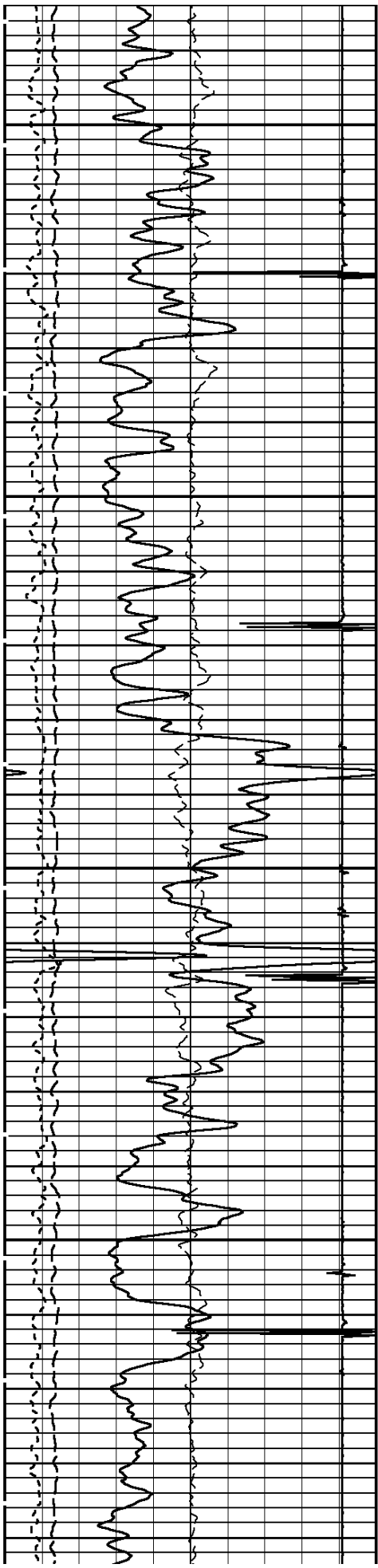


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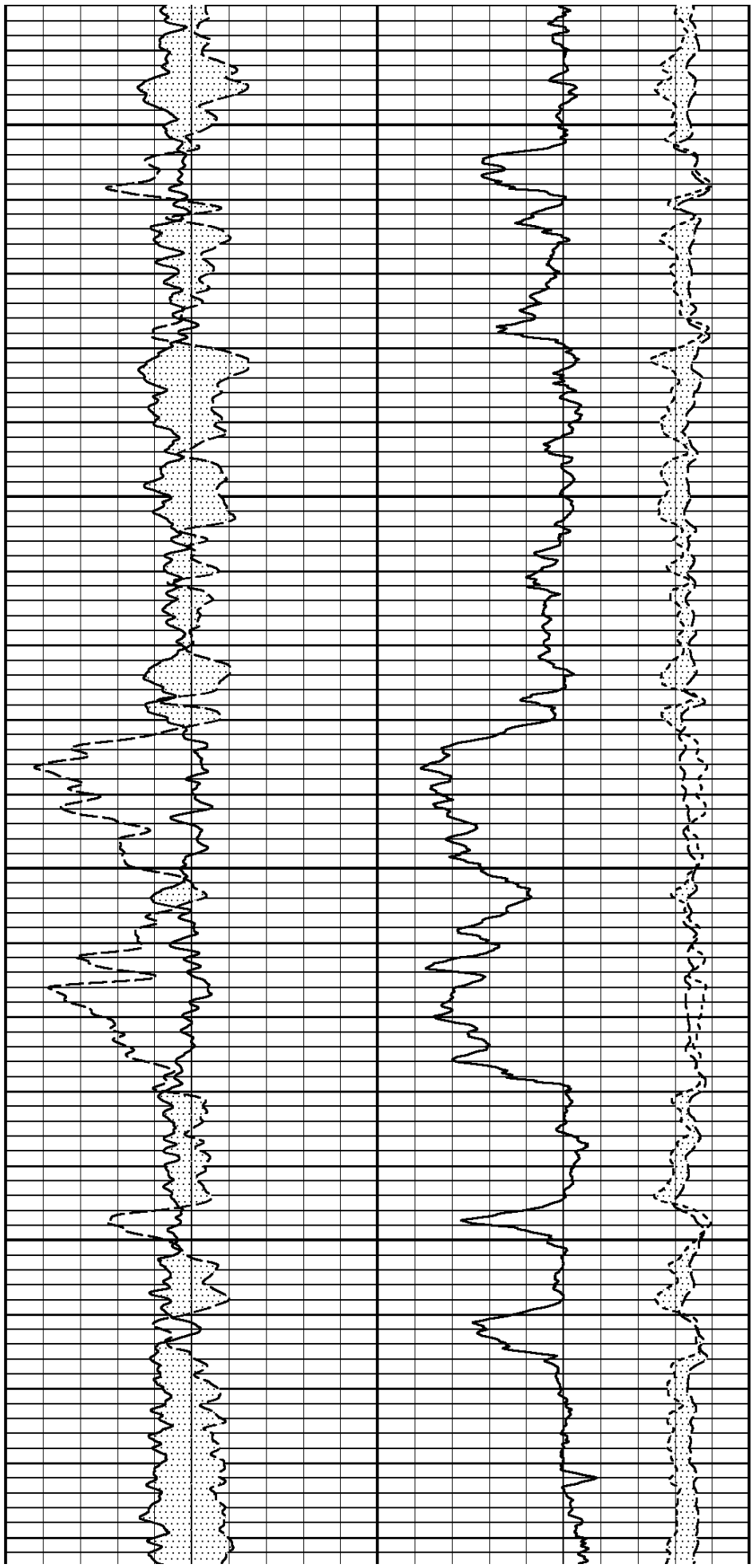
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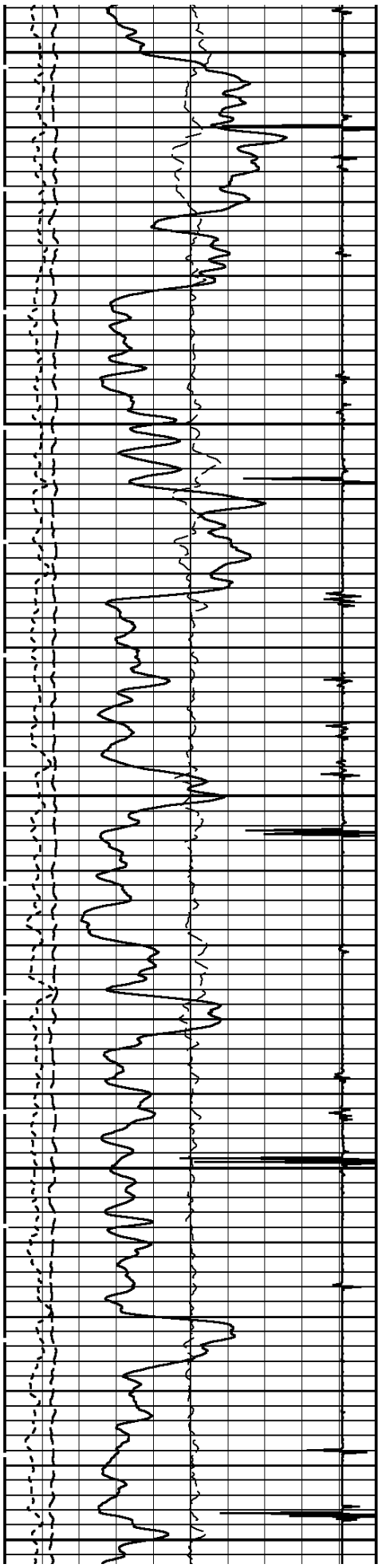


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6700



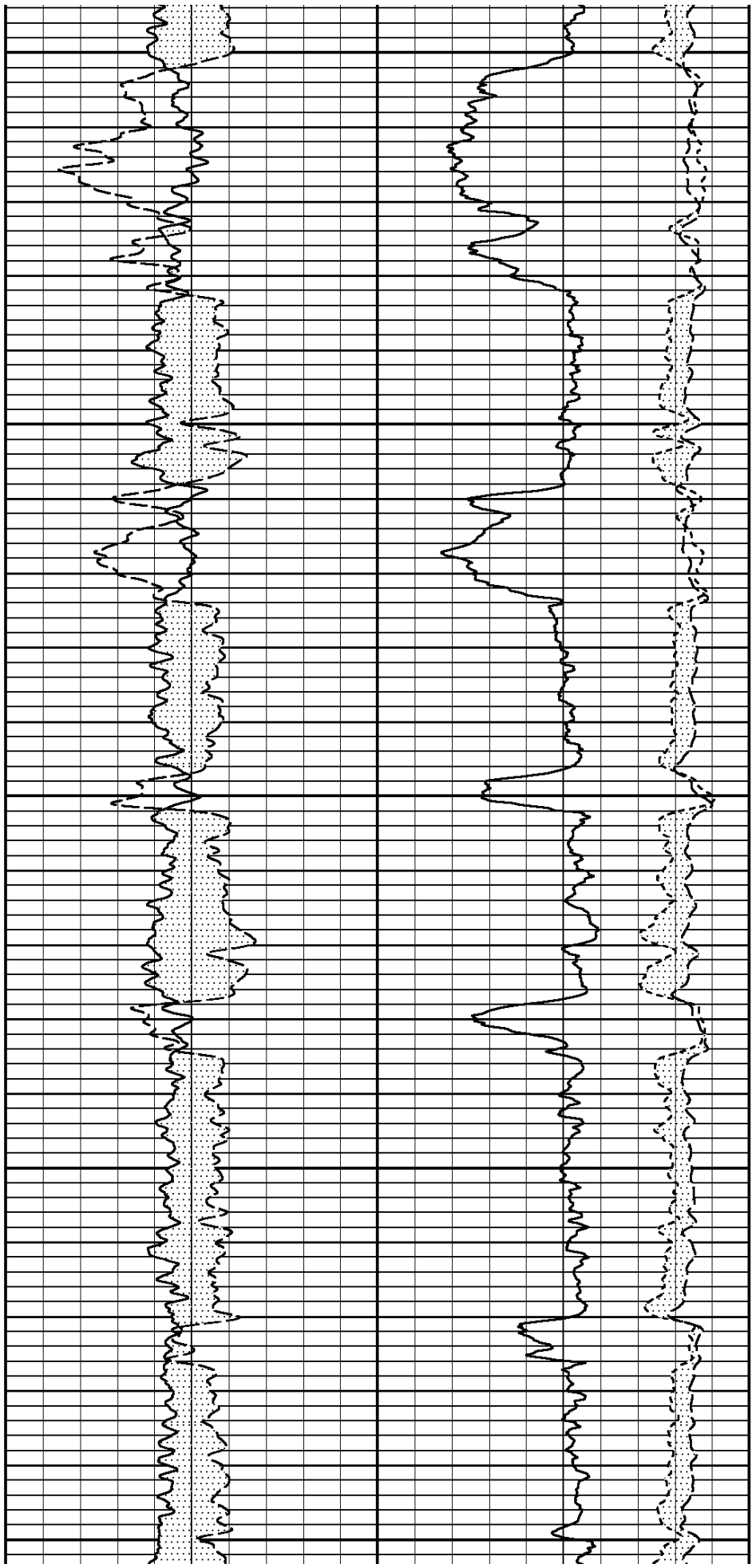


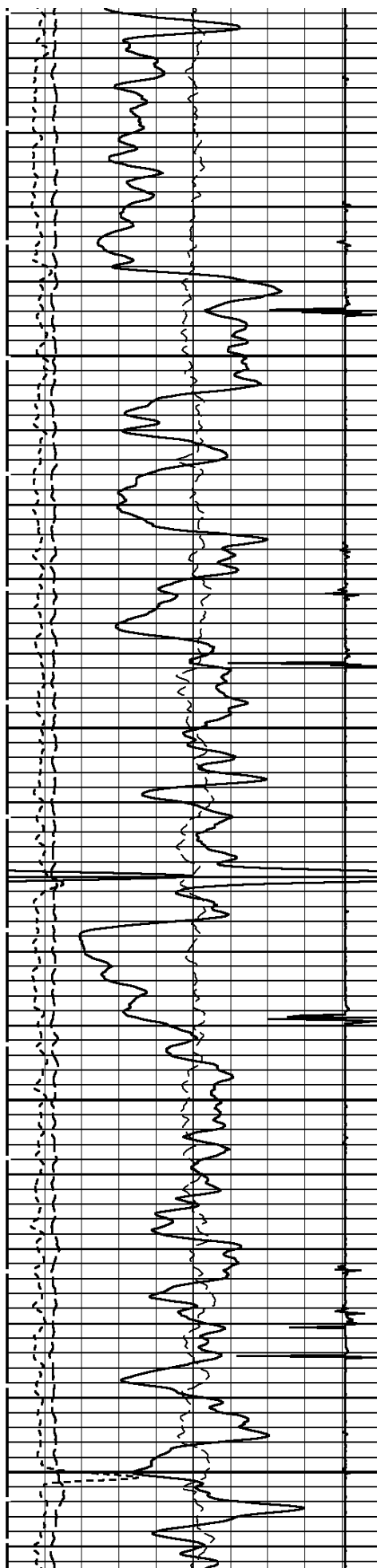


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6900

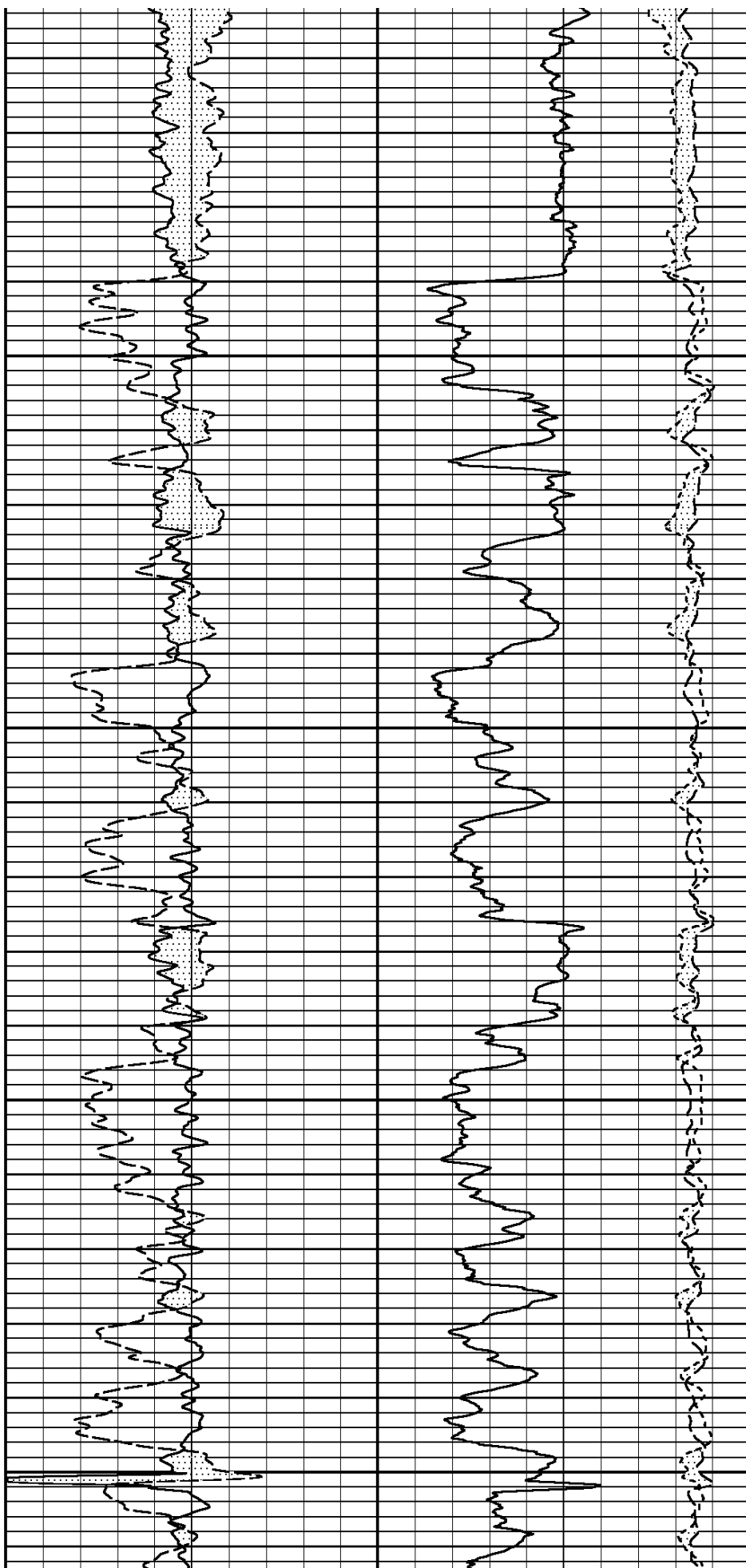
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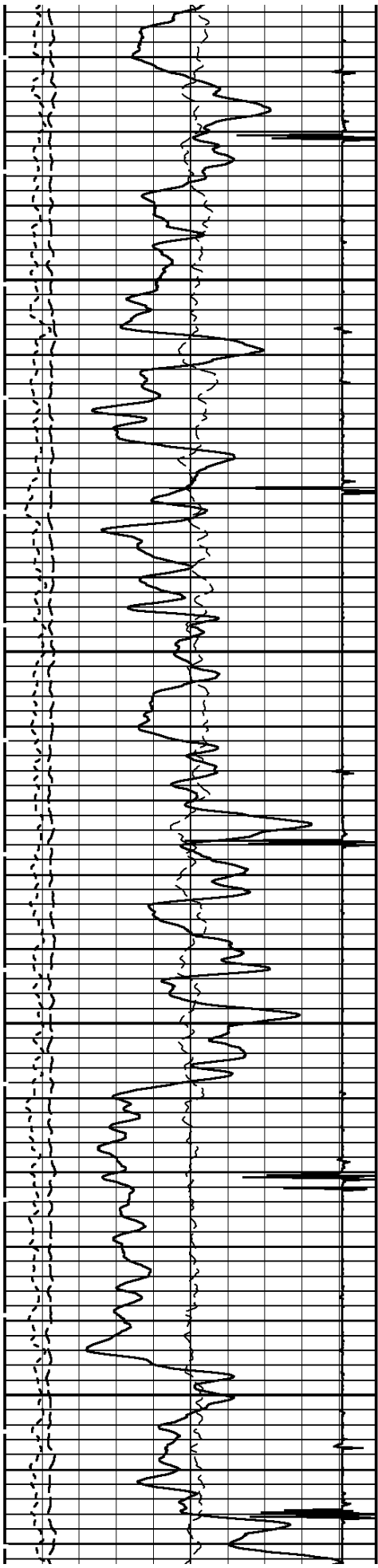




7100

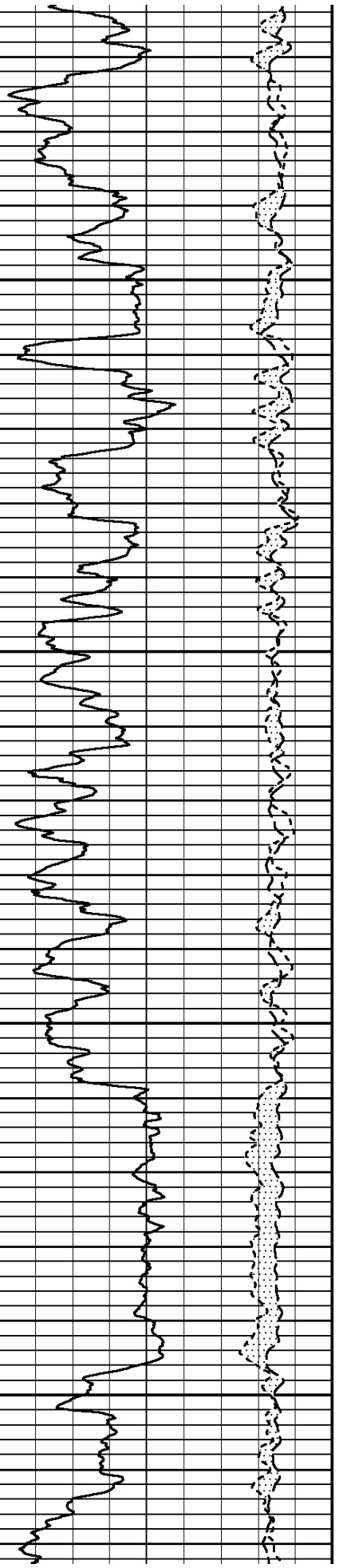
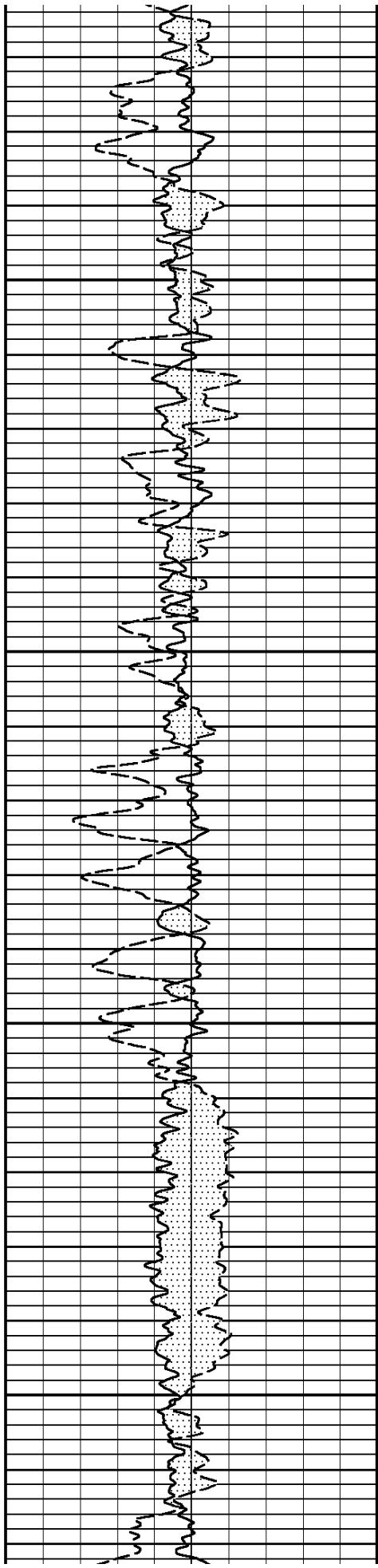
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7300

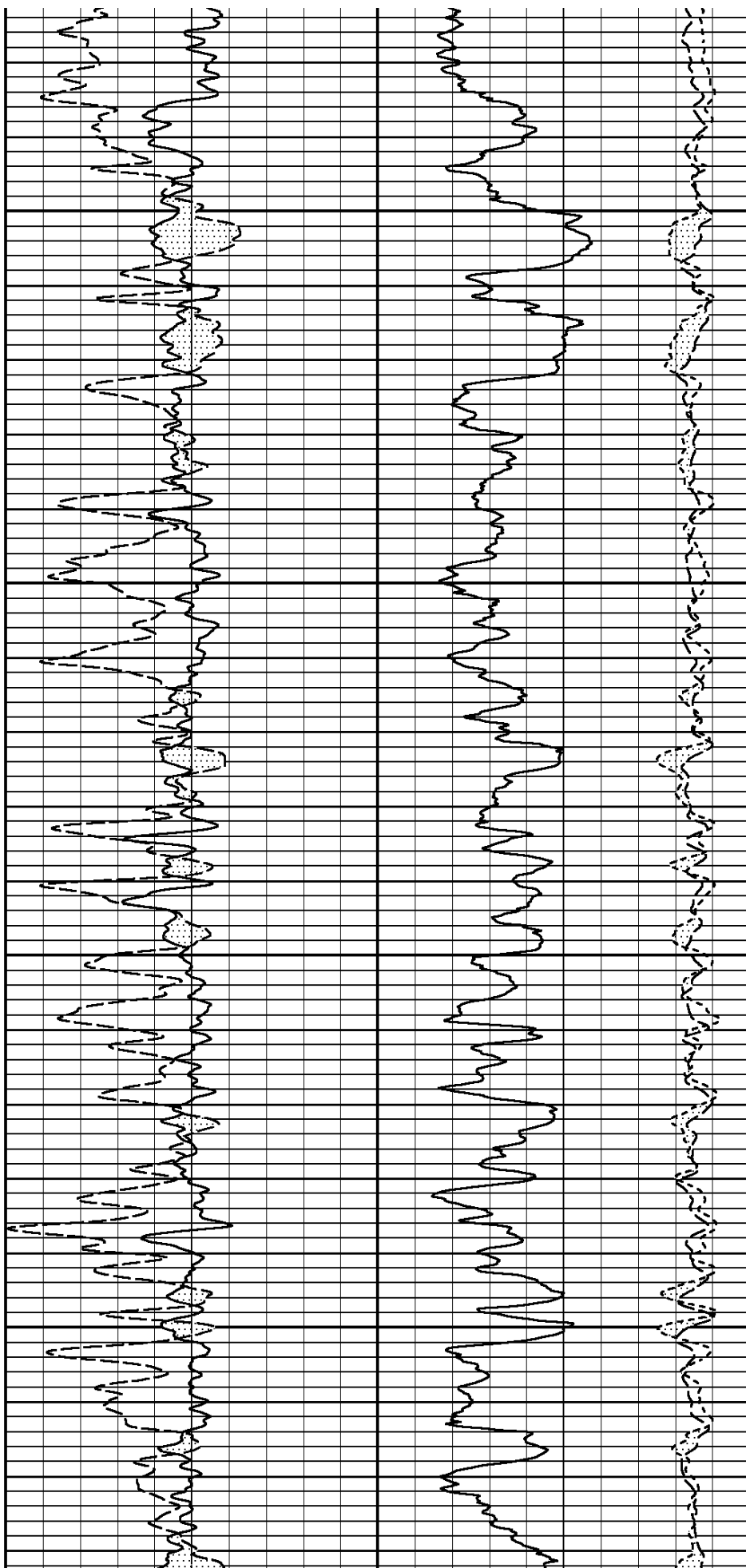
7400

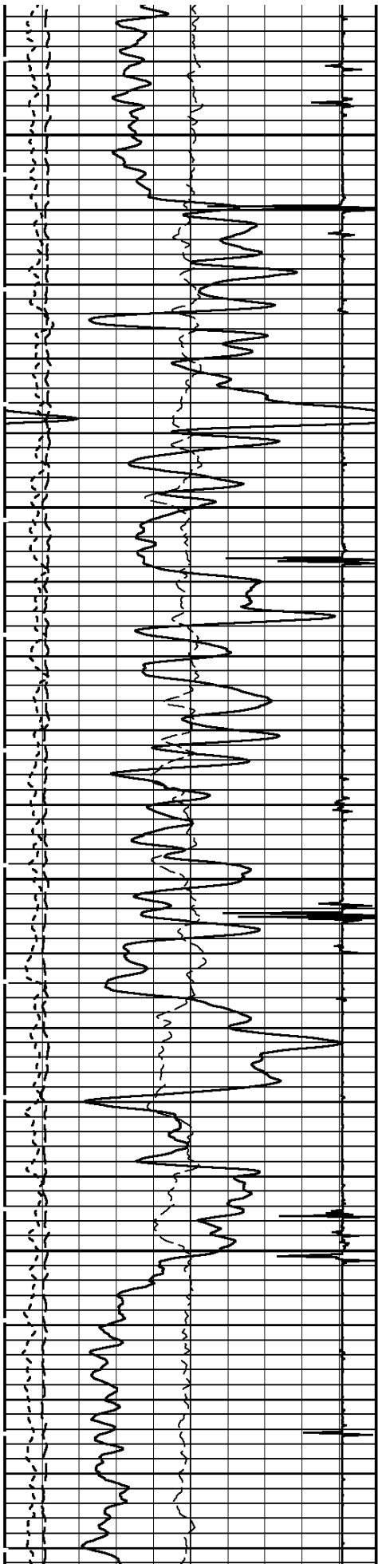




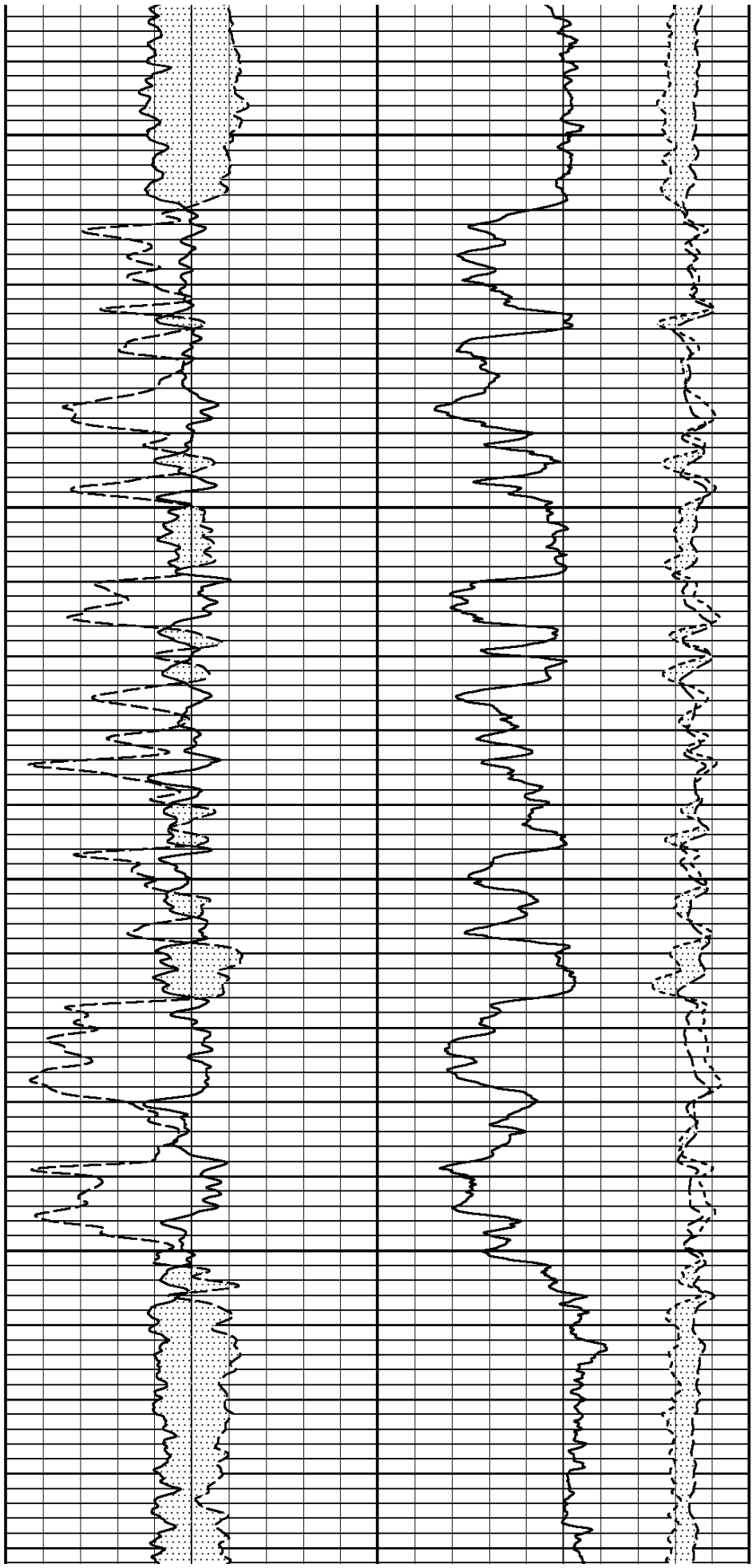
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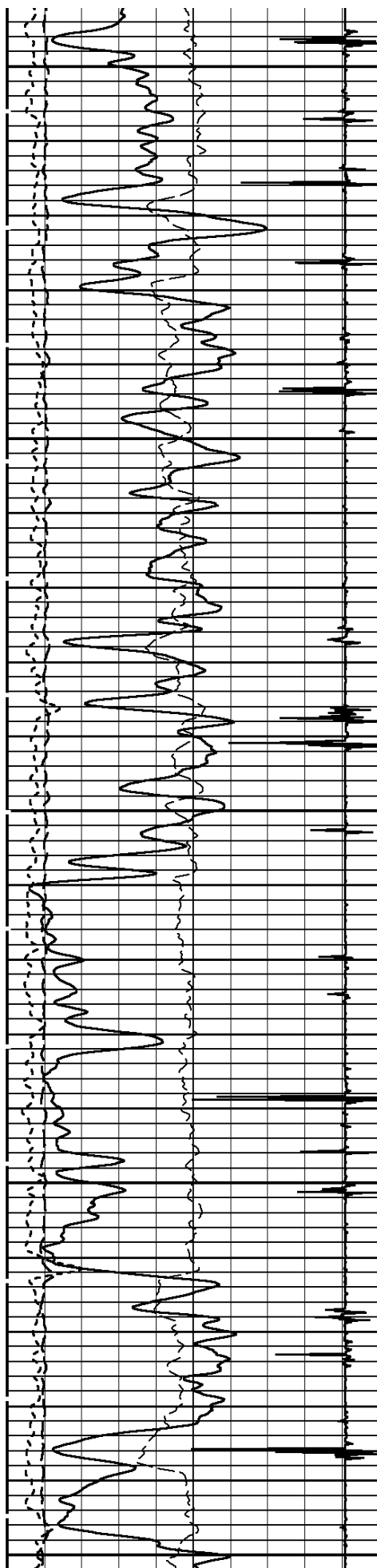




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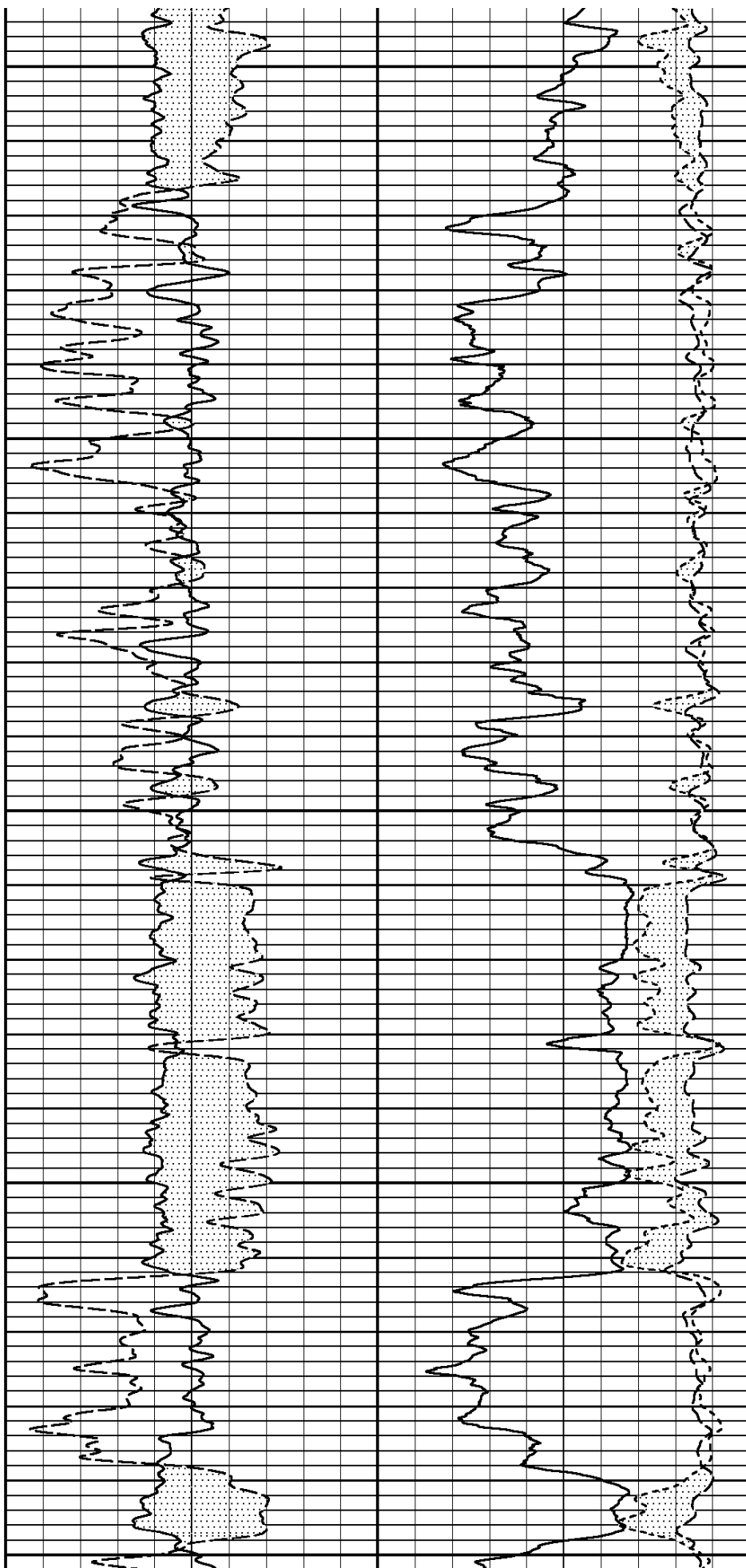


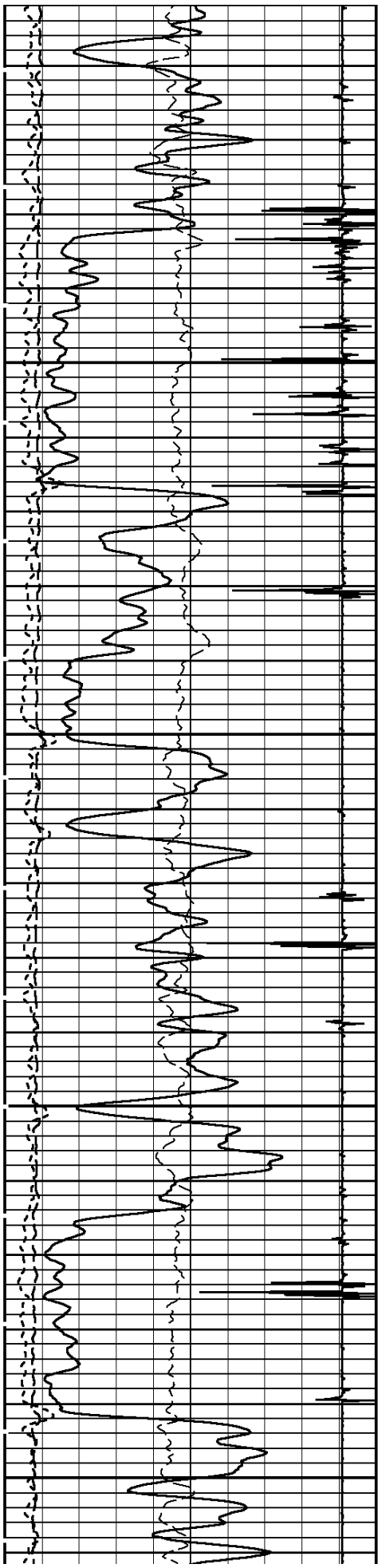
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7900

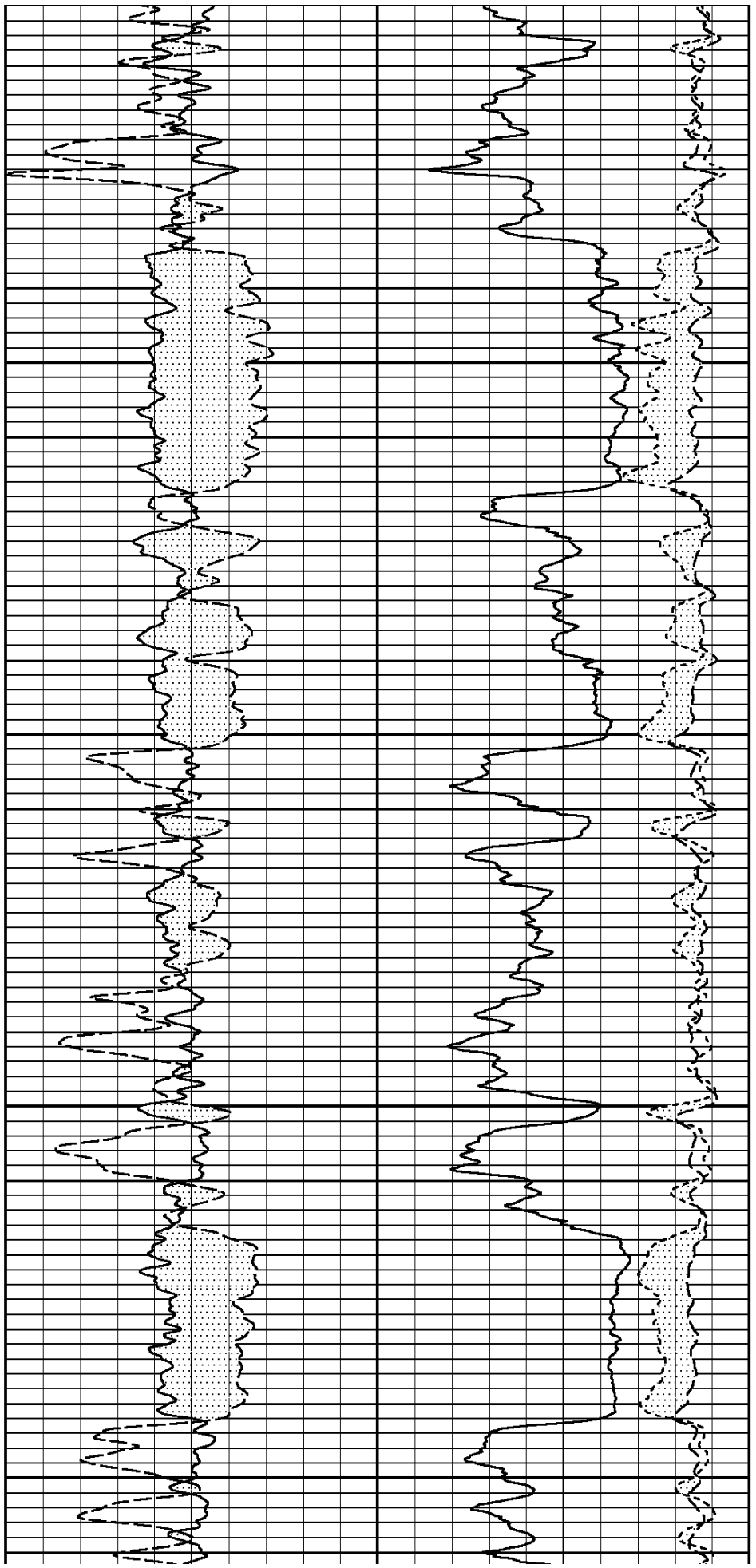
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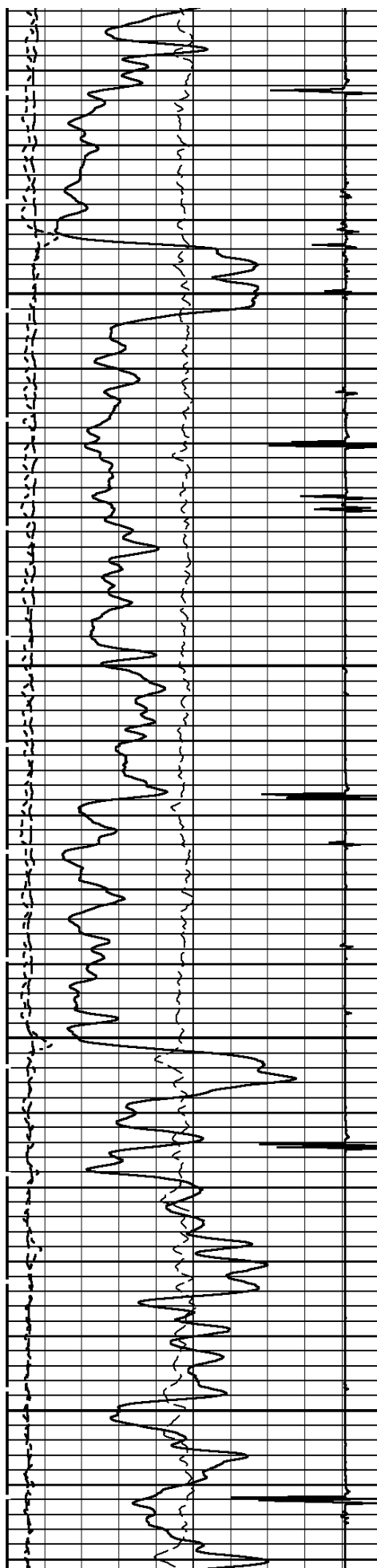




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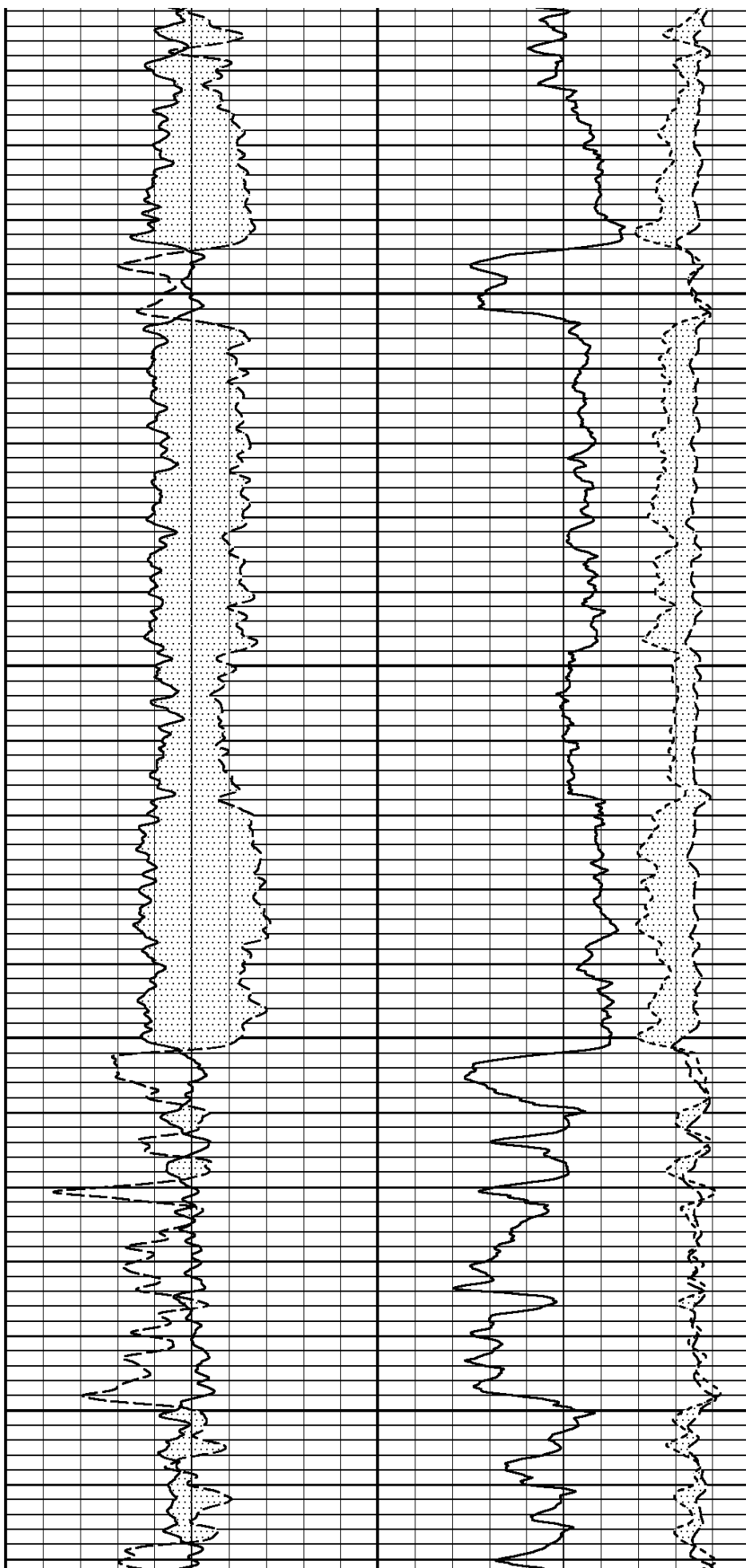
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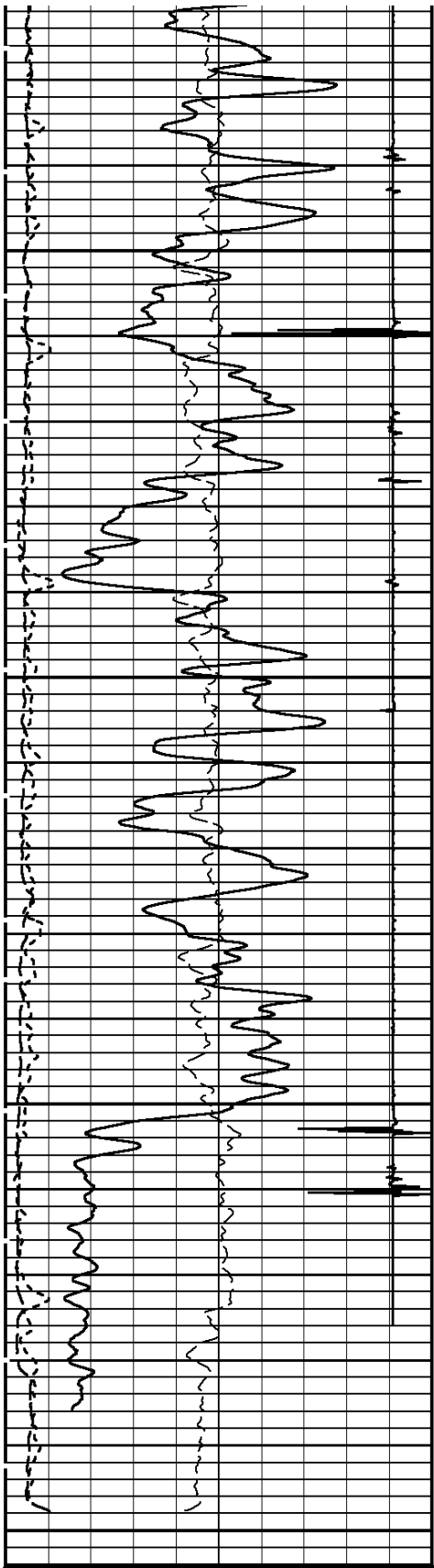


8300

8400

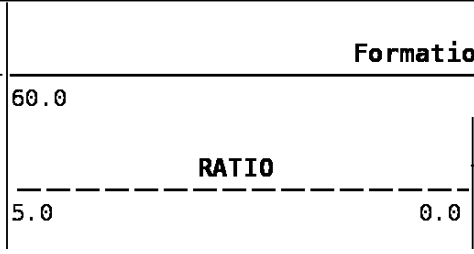
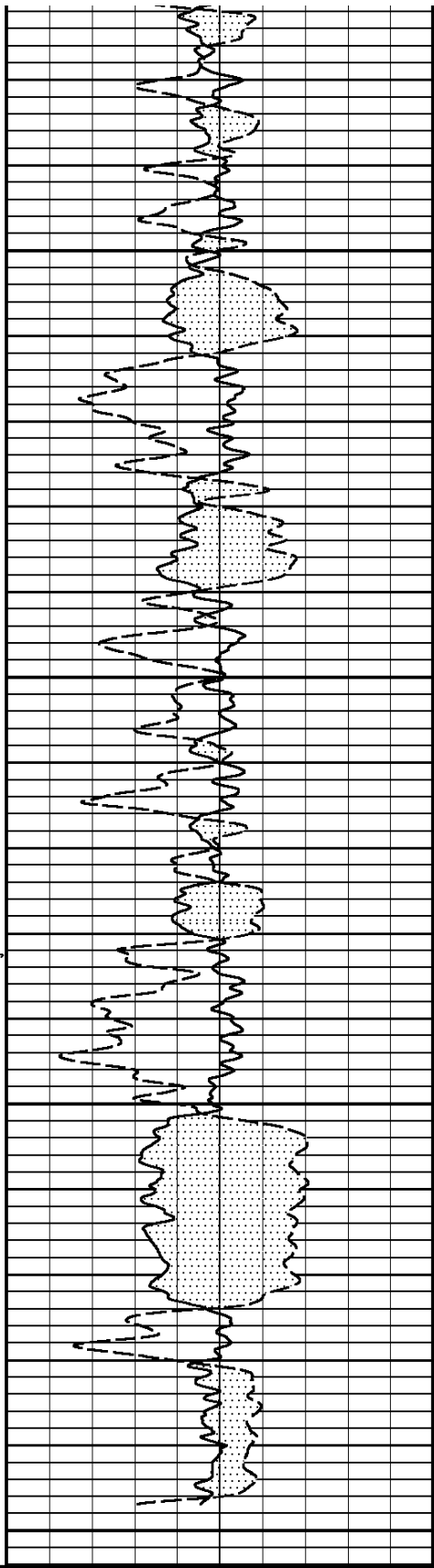
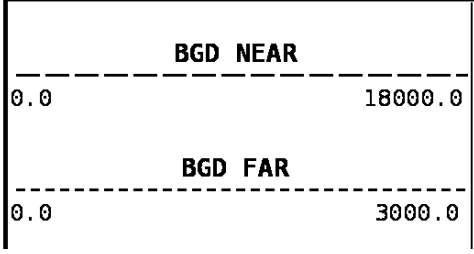






8500

8600



BGD NEAR

Tension

Formation Sigma

BGD FAR

RATIO

NEAR 1

Counts/Second

0.0 18000.0

0 1000

60.0 0.0

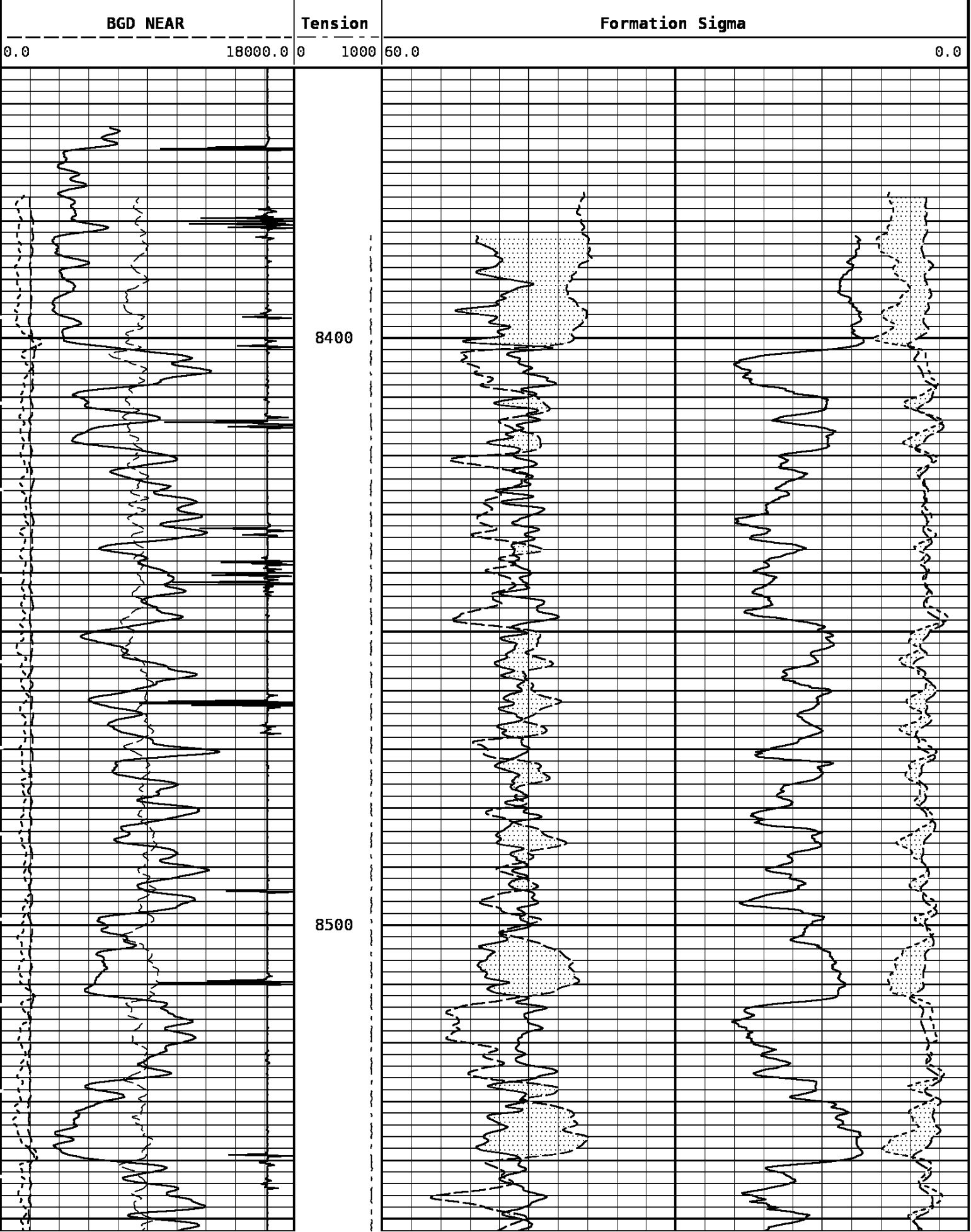
0.0 3000.0

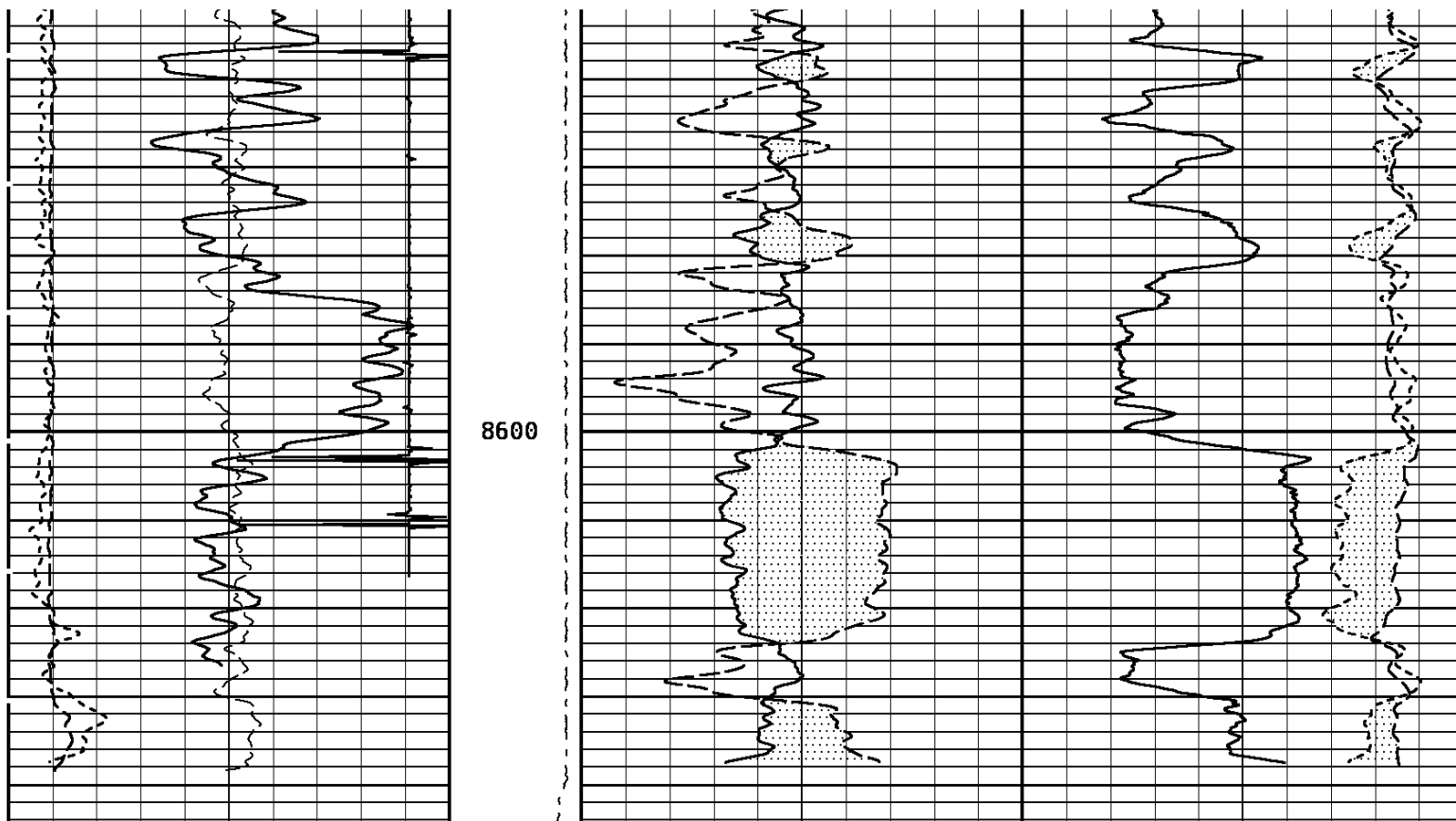
5.0 0.0 120.0

0.0

OUTPUT QUALITY		Ratio Bore n to f		FAR 1	
0.0	200000.0	5.0	15.0	20.0	Counts/Second 0.0
GAMMA RAY					
0	API	150			
CCL					
-9000	Millivolts	900			
START DEPTH: 8654.4 DIRECTION: UP DATE: 01/25/2008 TIME: 10:37 MODE: ORIGINAL RECOMPUTED DATE: 01/25/2008 TIME: 10:37 130916 PNDMAINFIN					
MAIN PASS					
DEPTH SCALE: 5":100'			VERSION: 71018127R"		

REMARKS									
REPEAT PASS LOGGED OVER BOTTOM 250 FEET OF WELL									
DEPTH SCALE: 5":100'					VERSION: 71018127R"				
REPEAT PASS									
130916 PNDREPFIN									
FINISH DEPTH: 8382.5 Feet DIRECTION: UP DATE: 01/25/2008 TIME: 17:25 MODE: ORIGINAL									
RECOMPUTED DATE: 01/25/2008 TIME: 17:25									
CCL									
-9000	Millivolts	900							
GAMMA RAY									
0	API	150							
OUTPUT QUALITY									
0.0	200000.0		Ratio Bore n to f		FAR 1				
			5.0	15.0	20.0	Counts/Second		0.0	
BGD FAR			RATIO		NEAR 1				
0.0	3000.0		5.0	0.0	120.0	Counts/Second		0.0	





<div>BGD NEAR</div>			<div>Tension</div>		<div>Formation Sigma</div>			
0.0	18000.0	0			1000	60.0	0.0	
<div>BGD FAR</div>					<div>RATIO</div>		<div>NEAR 1</div>	
0.0	3000.0	5.0			0.0	120.0	Counts/Second	0.0
<div>OUTPUT QUALITY</div>					<div>Ratio Bore n to f</div>		<div>FAR 1</div>	
0.0	200000.0	5.0			15.0	20.0	Counts/Second	0.0
<div>GAMMA RAY</div>			0					
0	API	150						
<div>CCL</div>								
-9000	Millivolts	900						

START DEPTH: **8644.8** DIRECTION: **UP** DATE: **01/25/2008** TIME: **17:24** MODE: **ORIGINAL**  
 RECOMPUTED DATE: **01/25/2008** TIME: **17:24**

130916 PNDREPFIN

REPEAT PASS

DEPTH SCALE: **5":100'**

VERSION: **71018127R"**

### Cased Hole Cablehead

Weight 2.2 lb  
Length 1.25'  
Max. Diameter 1.4375"  
Total Stack Weight 105 lbs in air  
Total Stack Length 30.4'

### Pulsed Neutron Processor

Weight 49 lbs  
Length 12.9'  
Max. Diameter 1.687"

### Pulsed Neutron Detectors

Weight 30 lbs  
Length 8.7'  
Max. Diameter 1.687"

### Pulsed Neutron Generator

Weight 26 lbs  
Length 7.7'  
Max. Diameter 1.687"

CCL 28.4'

GR 19.1'

FAR DETECTOR 9.2'  
From Target (2.16' )

NEAR DETECTOR 8.2'  
From Target (1.15' )

TARGET 7.1'

1.00 in. dia.  
(2.540 cm)

1.438 in. dia.  
(3.651 cm)

1.687 in. dia.

1.687 in. dia.

1.687 in. dia.

COMPANY WEXPRO

WELL ACE UNIT #13

FIELD POWDER WASH

COUNTY MOFFAT

STATE CO



**Weatherford®**