

ACOUSTIC
CEMENT BOND LOG
4.5" 11.6#

COMPANY ENCANA OIL & GAS		WELL ENCANA - 6A		FIELD MAMM CREEK		COUNTY GARFIELD		STATE COLORADO	
LOCATION:		SHL: 1693' FNL, 1555' FWL		BHL: 1530' FNL, 2005' FWL		SEC. 11		TWP. 7S	
OTHER SERVICES:		NONE		ELEV. 6,125'		ELEV. 6,138'		D.F. 6,138'	
PERM. DATUM Ground Level		LOG MEASURED FROM K.B. 17 FT. ABOVE PERMANENT DATUM		DRILLING MEASURED FROM Kelly Bushing		DATE 26-DEC-2008		API: 05-045-17699	
RUN NO.		ONE		DEPTH DRILLER		5,463'		DEPTH LOGGER	
BITM. LOG INTERVAL		5,397'		TOP LOG INTERVAL		SURFACE		OPEN HOLE SIZE	
TYPE FLUID		Water Based		DENS.		8.3		VISC.	
MAX. REC. TEMP. F		N/A		EST. CEMENT TOP		985'		TIME WELL READY	
TIME LOGGER ON BITM.		SEE LOG		EQUIP. NO.		14102		LOCATION	
RECORDED BY		ADAM MacPHERSON		WITNESSED BY		DOUG HAMMOND		BOREHOLE RECORD	
RUN NO.		BIT		FROM		TO		SIZE	
WGT.		FROM		TO		TUBING RECORD		SIZE	
CASING RECORD		SIZE		WT/FT		GRADE		TYPE JOINT	
SURFACE STRING		9.625"		36#		J-55		SURF	
PROD. STRING		4.500"		11.6		I-80		SURF	
LINER								5,453'	
MARKER JT. @		3786-		3806		&		4700 - 4722	

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: ENSIGN #138		Service Order # 153120	
FIRST LOG ON WELL - LOG RAN ON WIRELINE DEPTH WITH A 13 FT K.B.		BHT N/A		°F	
CBL LOG RAN APROX. 13 HRS AFTER CEMENT FINISHED.		LOGGED W.0 PSI. @ SURFACE		Prints: 4	
YOUR CREW TODAY IS: JACOP EARICH, KEITH NEELY		THANK YOU FOR CHOOSING WEATHERFORD WIRELINE SRV. GRD.JUNCTION.CO. (970)263-8501			
		EQUIPMENT DATA			
Bit Size		7.875"		Run No.	
Well Status		NEW DRILL		Tool Type	
Surface Pressure		Shut In		Tool No.	
ZERO		Flowing		Other	
		NO		ONE	
				CENA	
				CTBA	
				GRBA	
				CENB	
				SBTA	
				CENA	

DEPTH SCALE: 5":100'

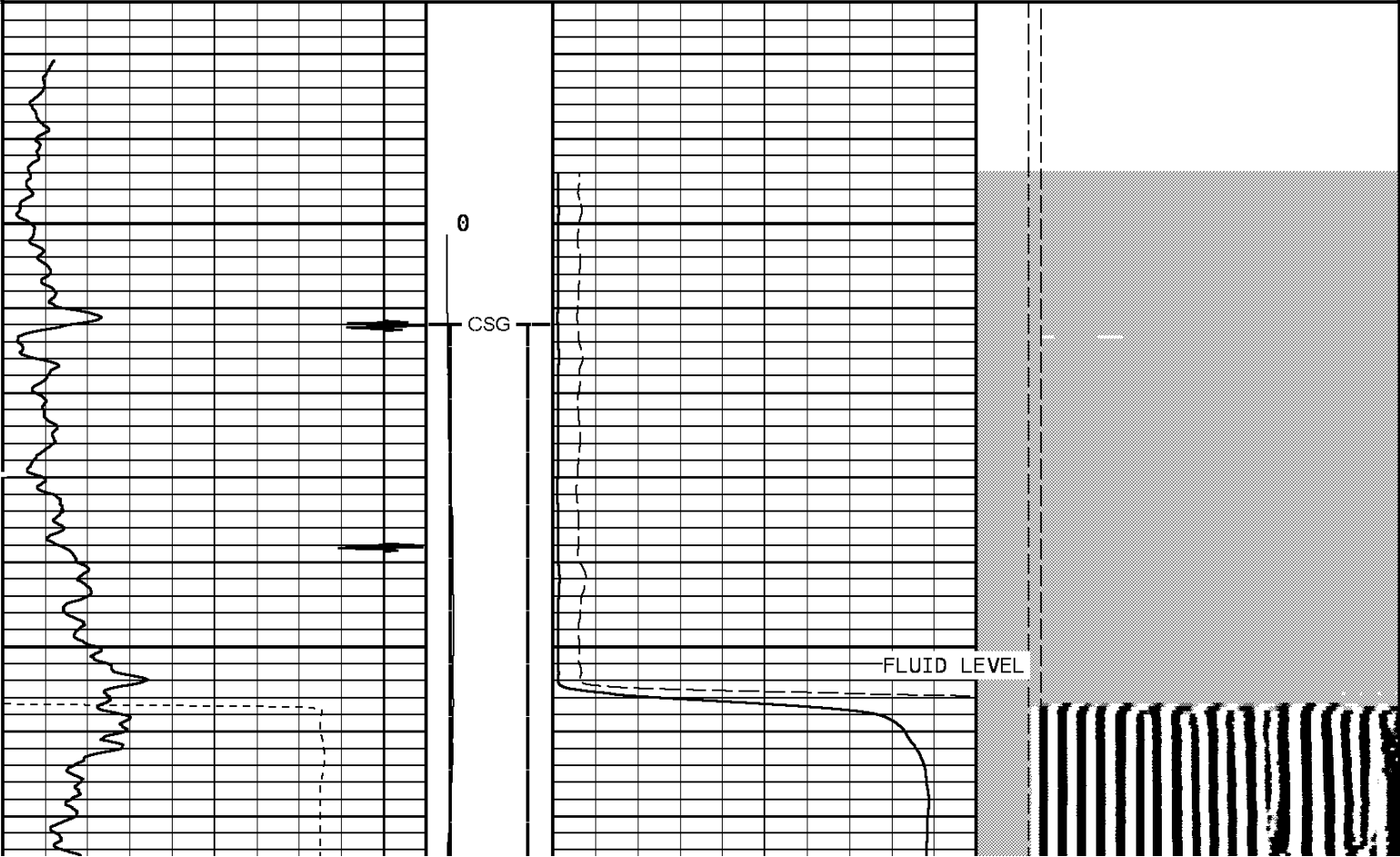
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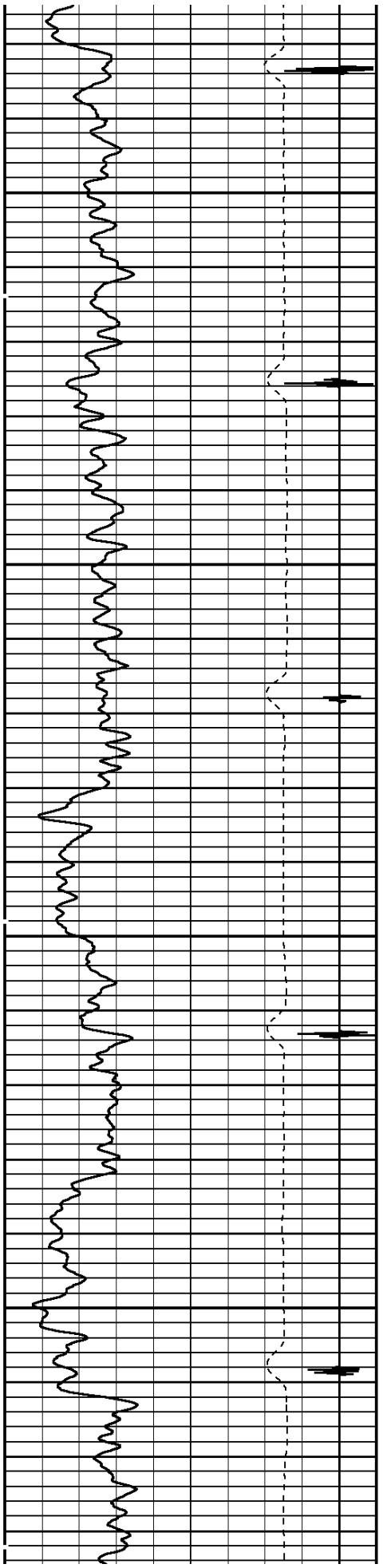
MAIN PASS

153120 CBLMAINF

FINISH DEPTH: 0.0 Feet DIRECTION: UP DATE: 12/26/2008 TIME: 22:19 MODE: ORIGINAL

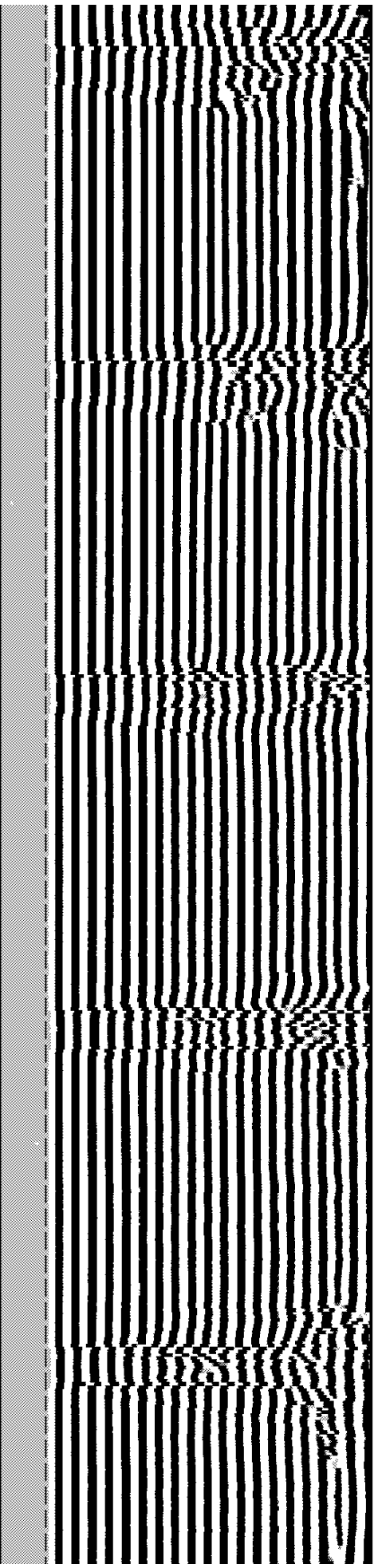
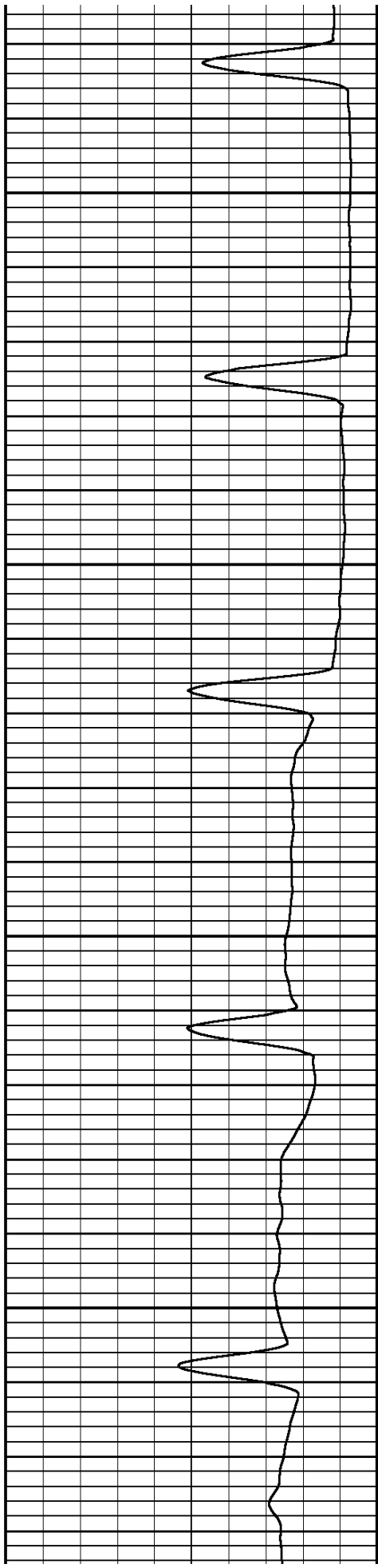
Collar Locator						FREE PIPE GATE		
-8000	Millivolts	880				200	Microseconds	1200
Gamma Ray			AMPLITUDE 3FT X5			FREE PIPE GATE		
0	API	150	0	Millivolts	20	200	Microseconds	1200
TRAVEL TIME 3FT			Tension	AMPLITUDE 3FT		VARIABLE DENSITY 5FT		
310	Microseconds	210	0 1600	0	Millivolts 100	200	Microseconds	1200

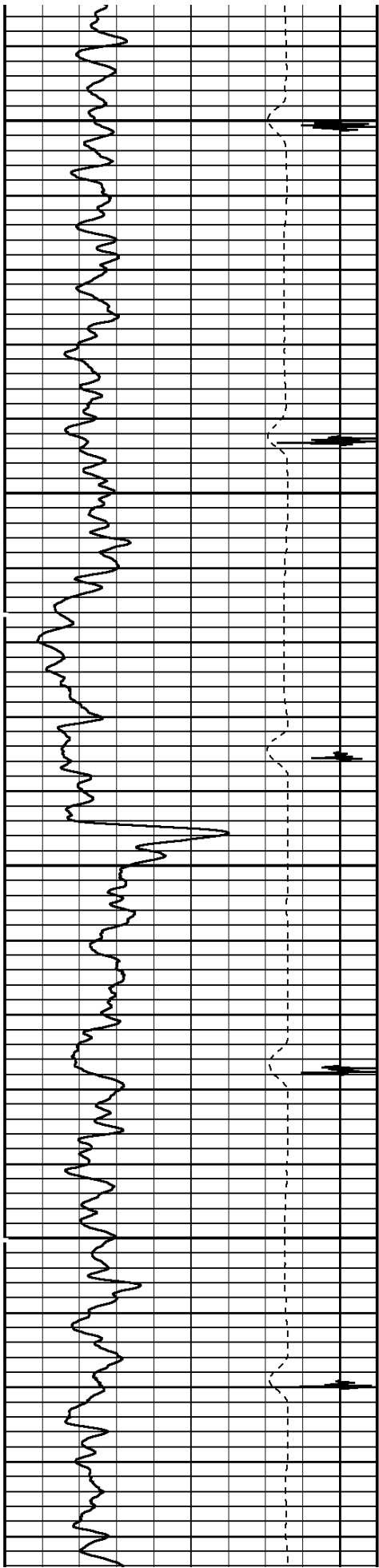




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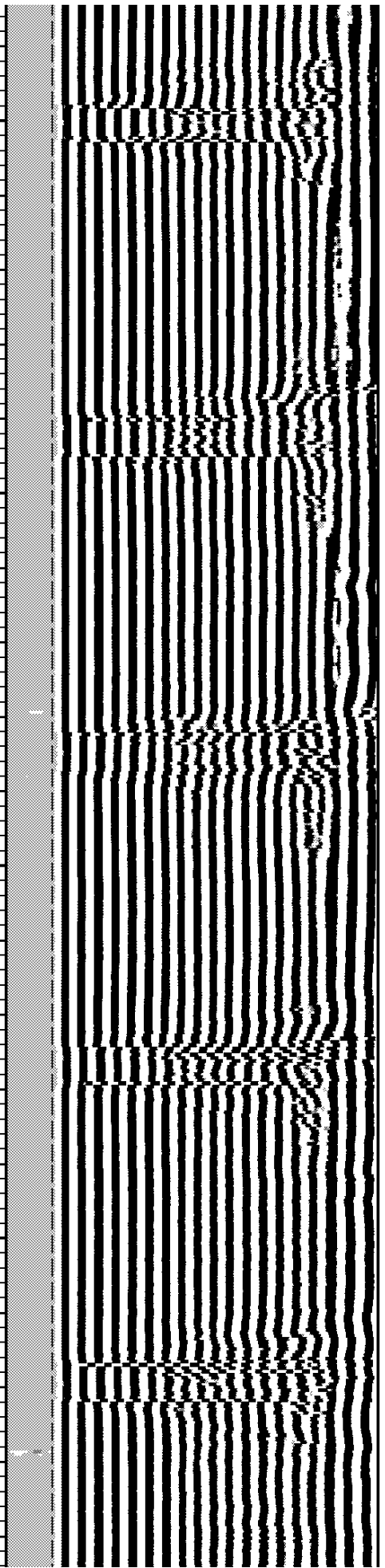
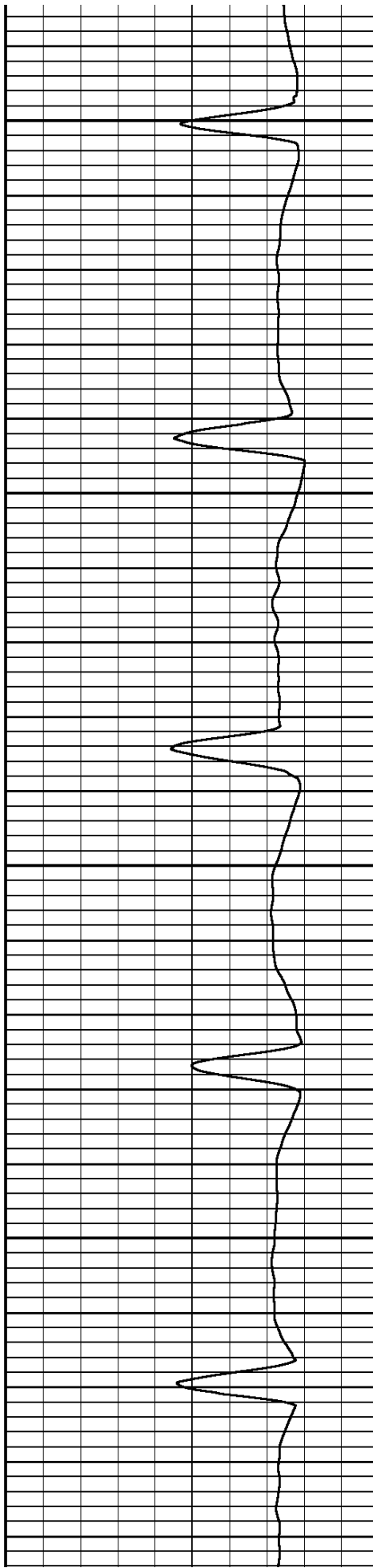
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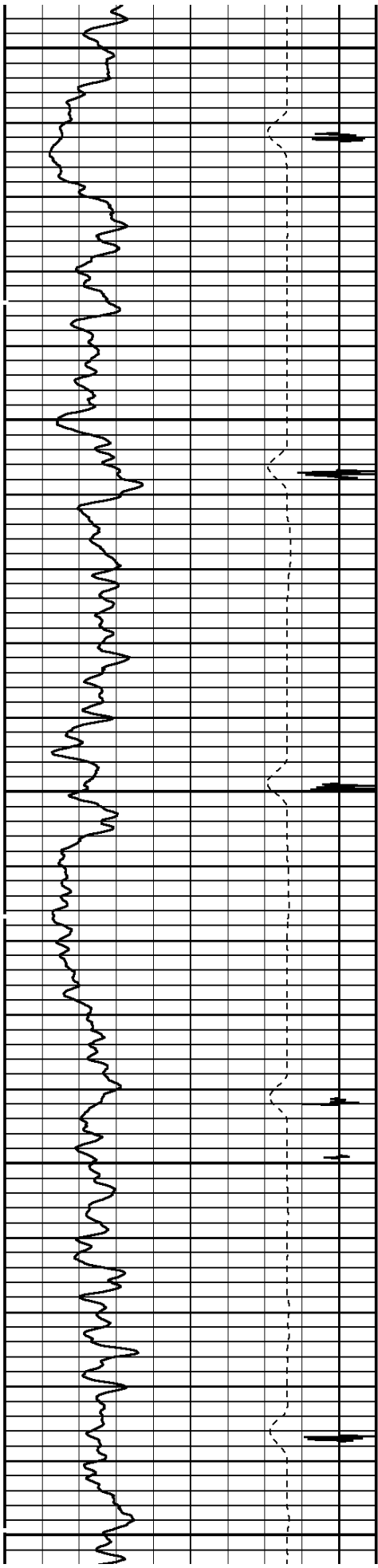




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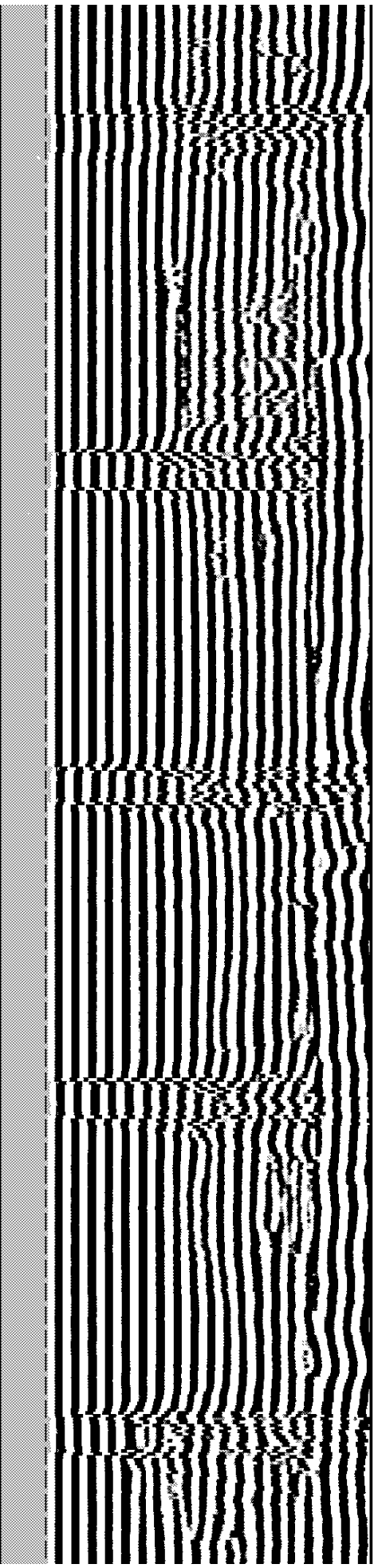
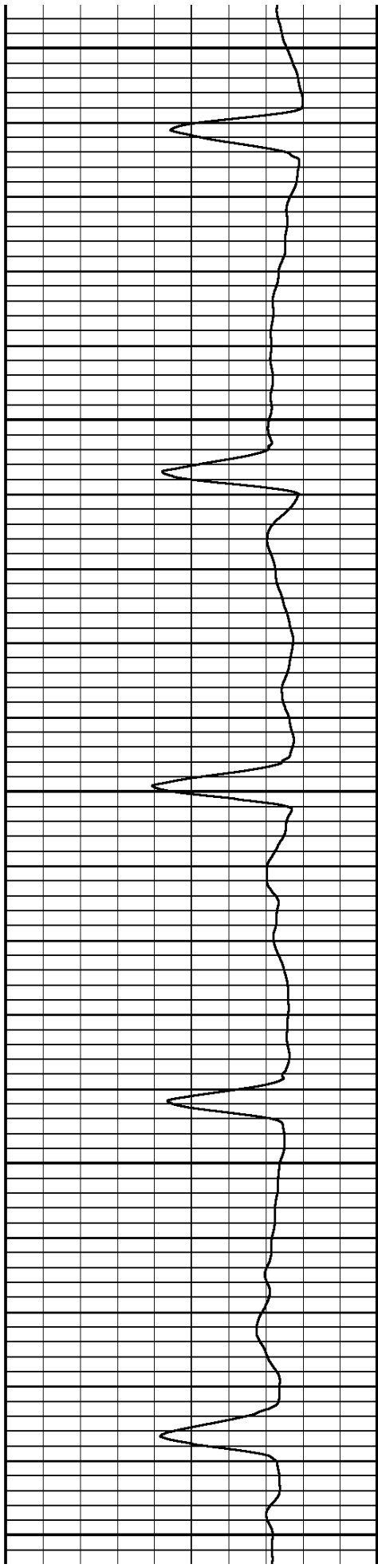


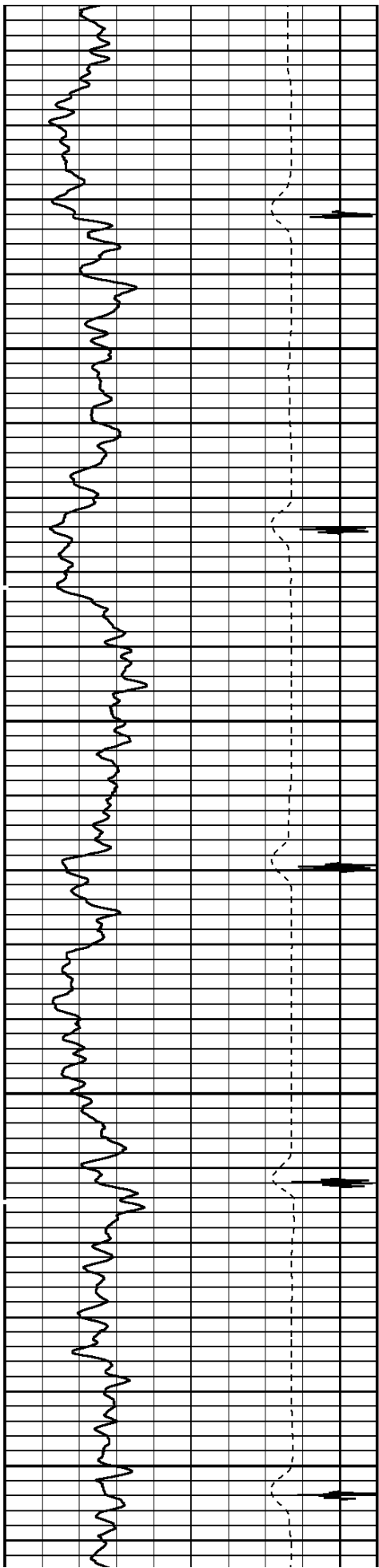


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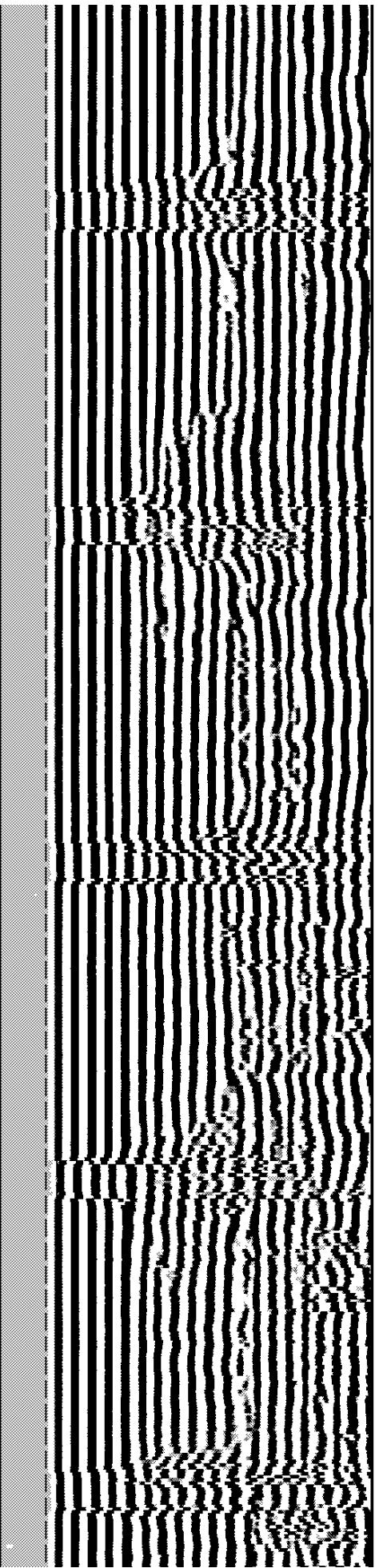
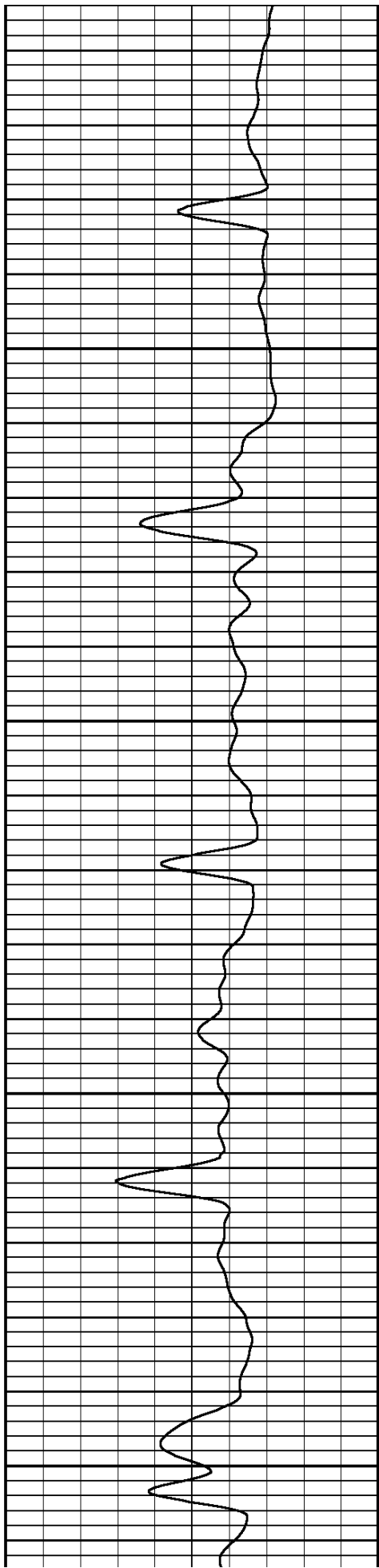
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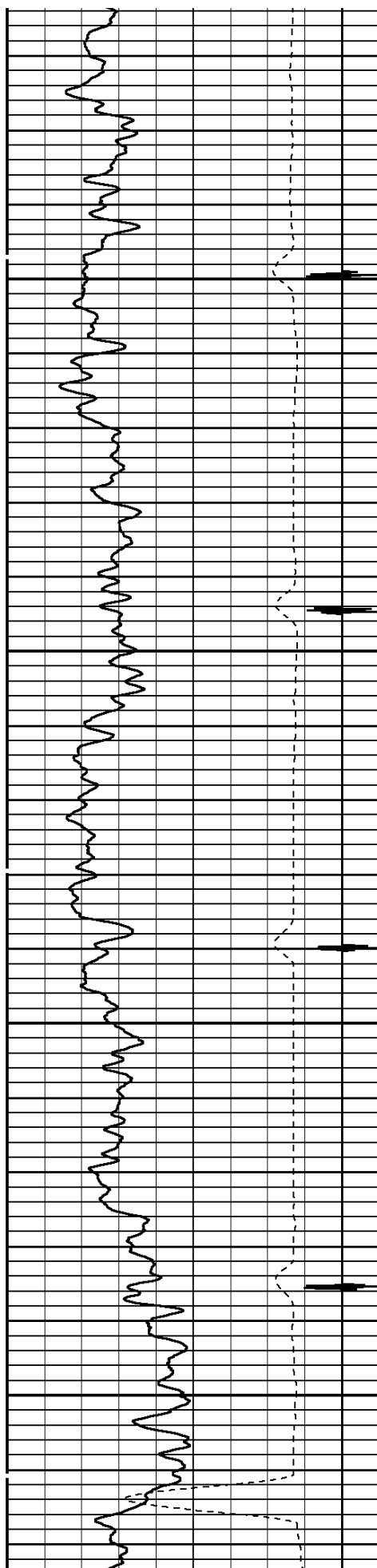




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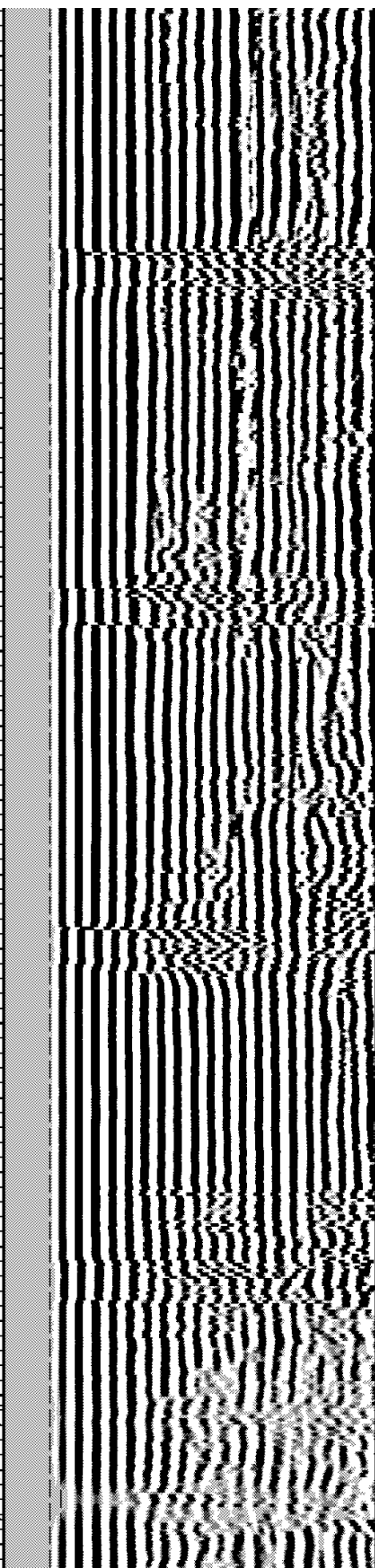
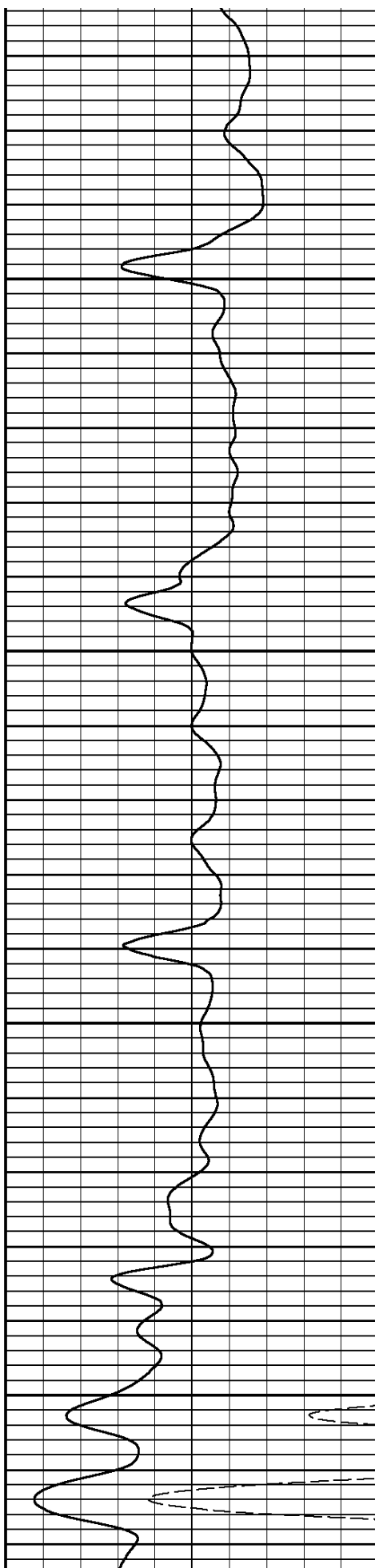
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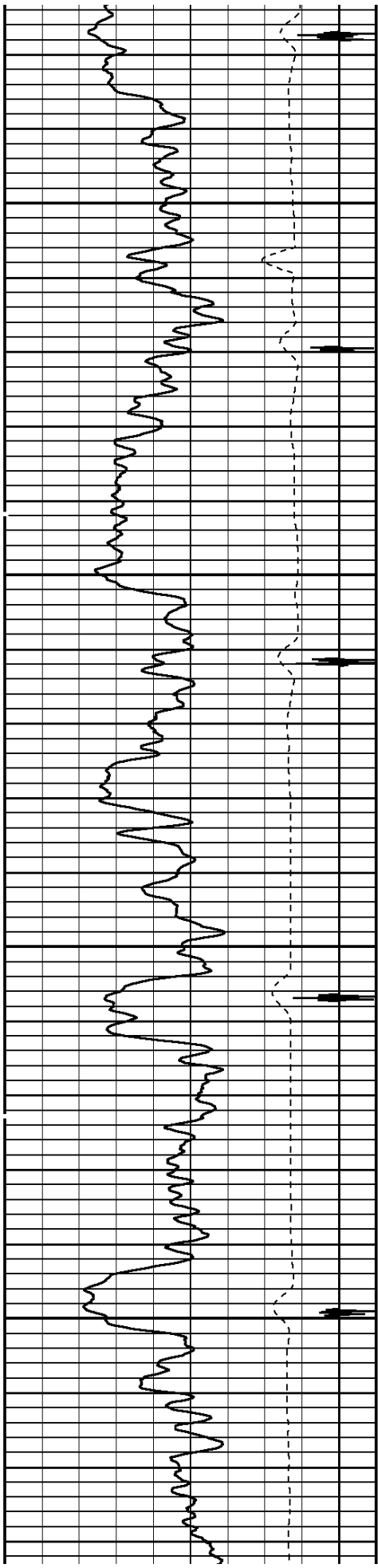




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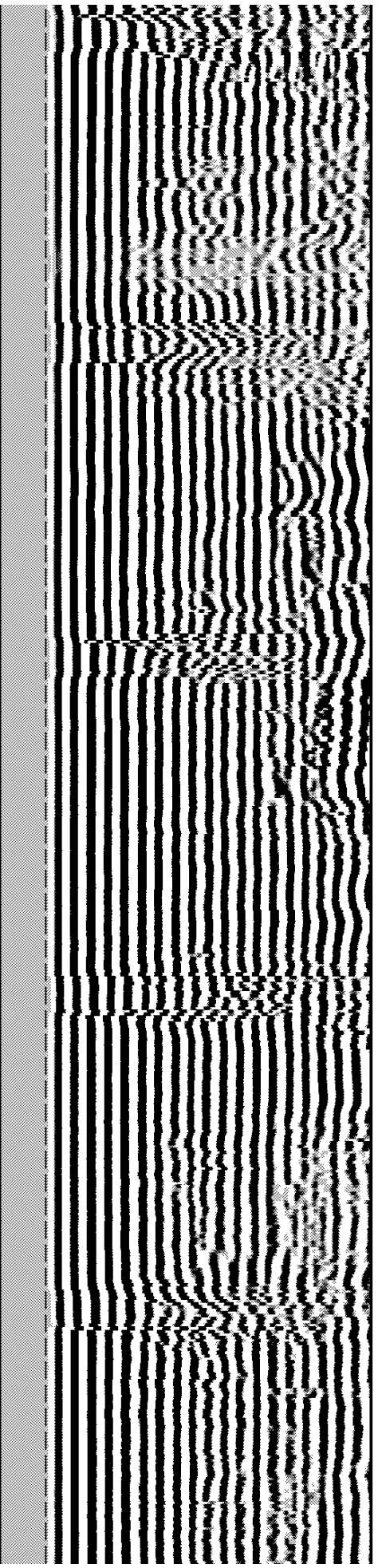
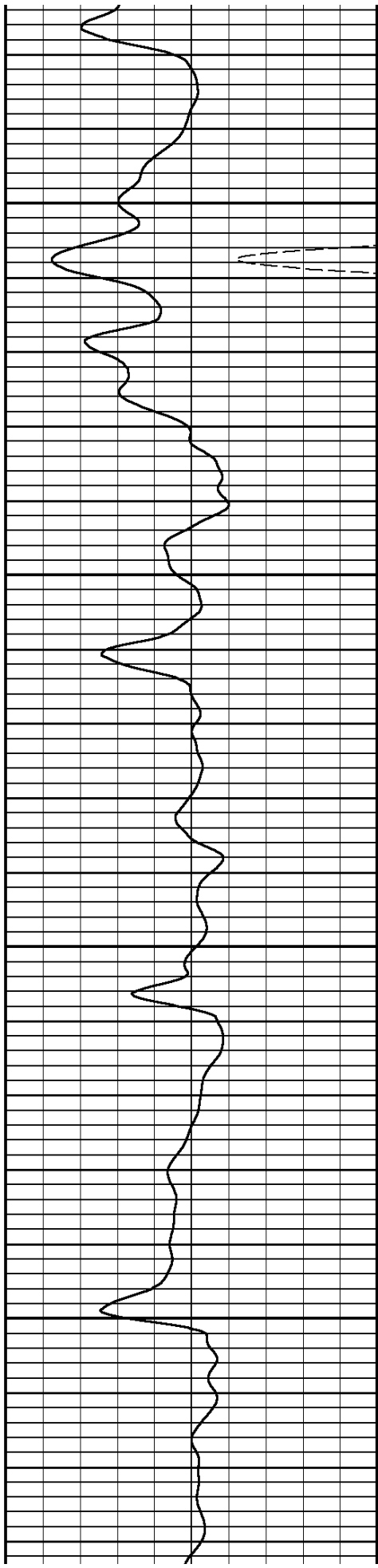
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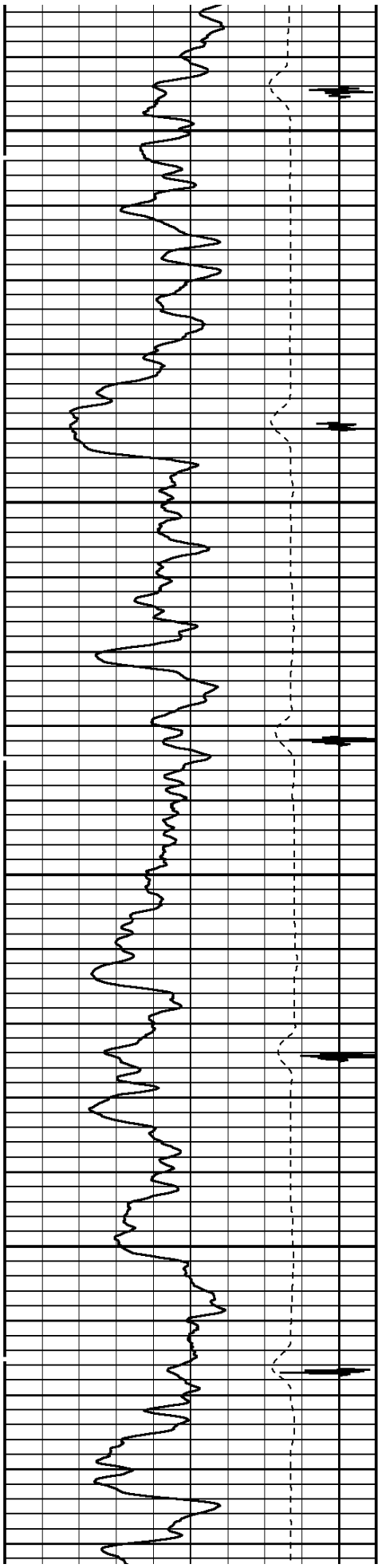




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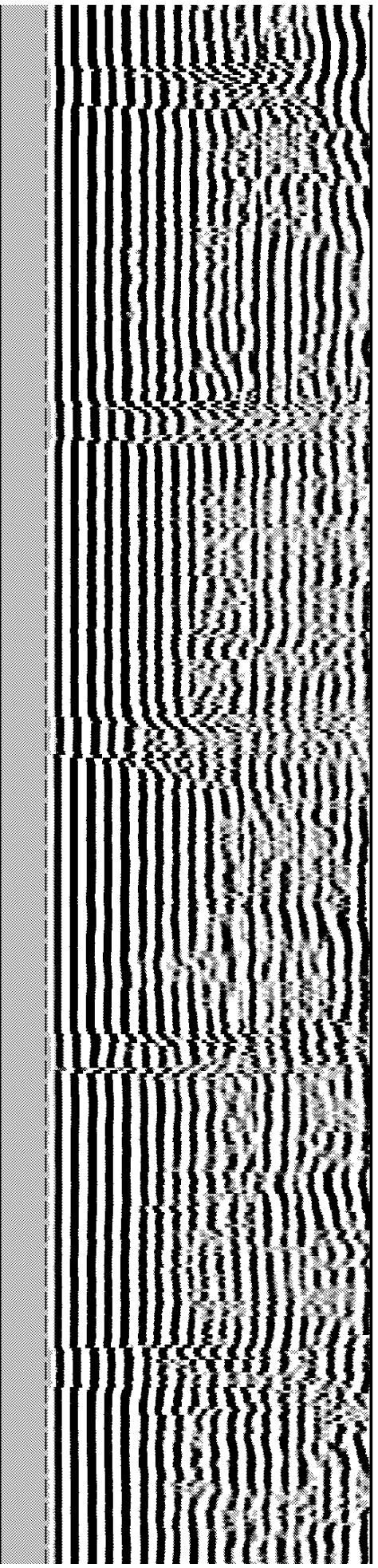
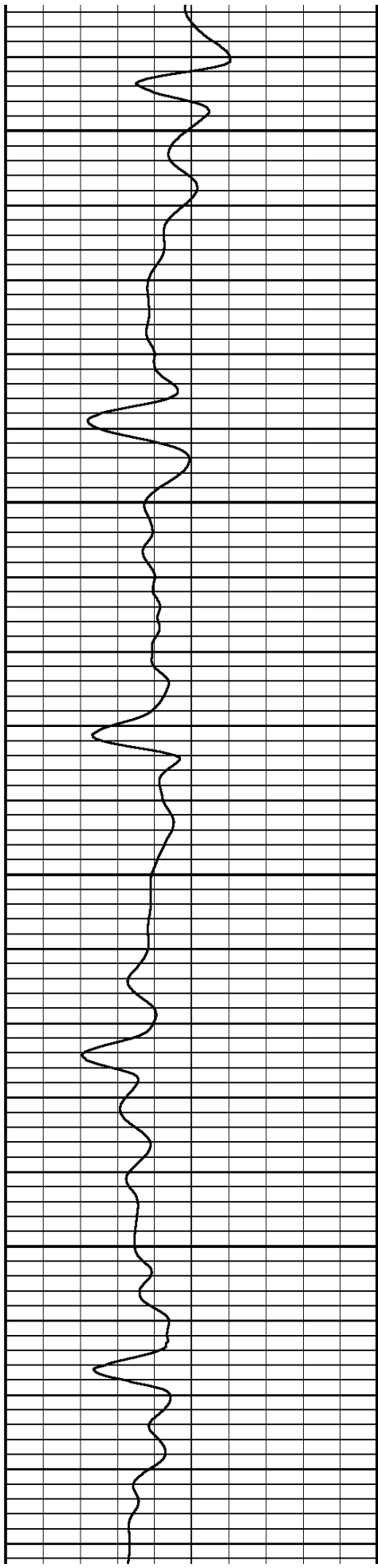
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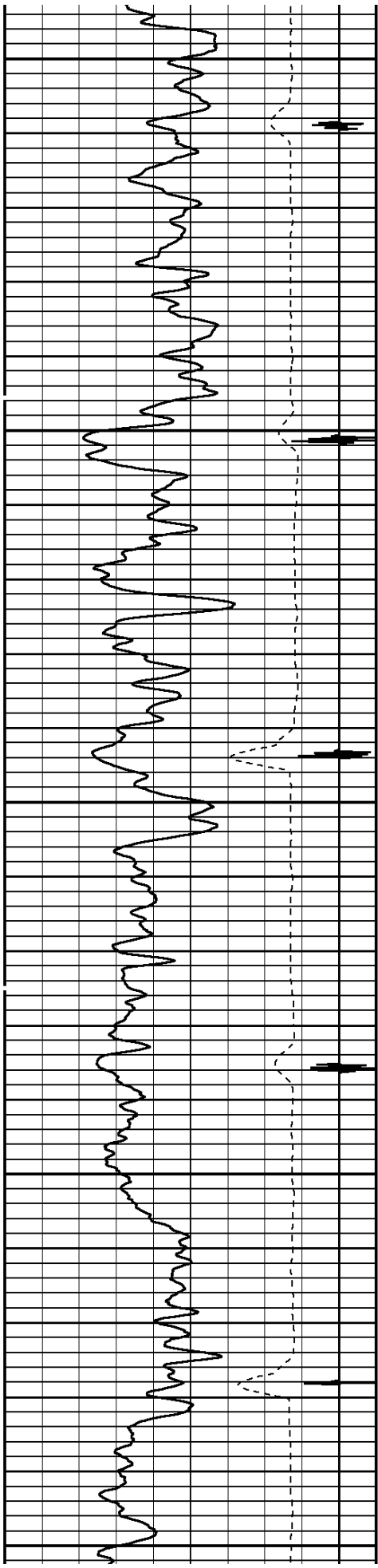




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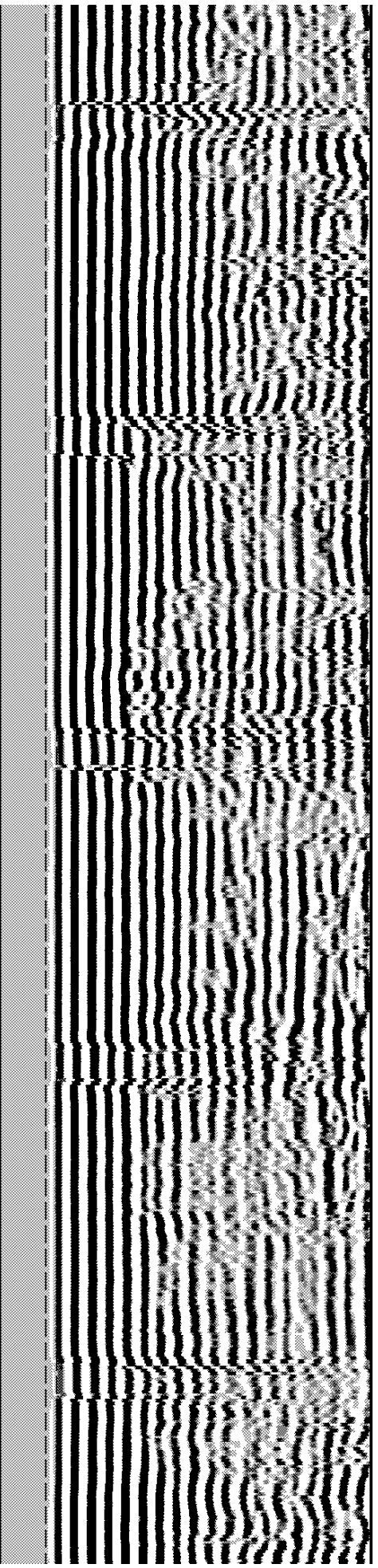
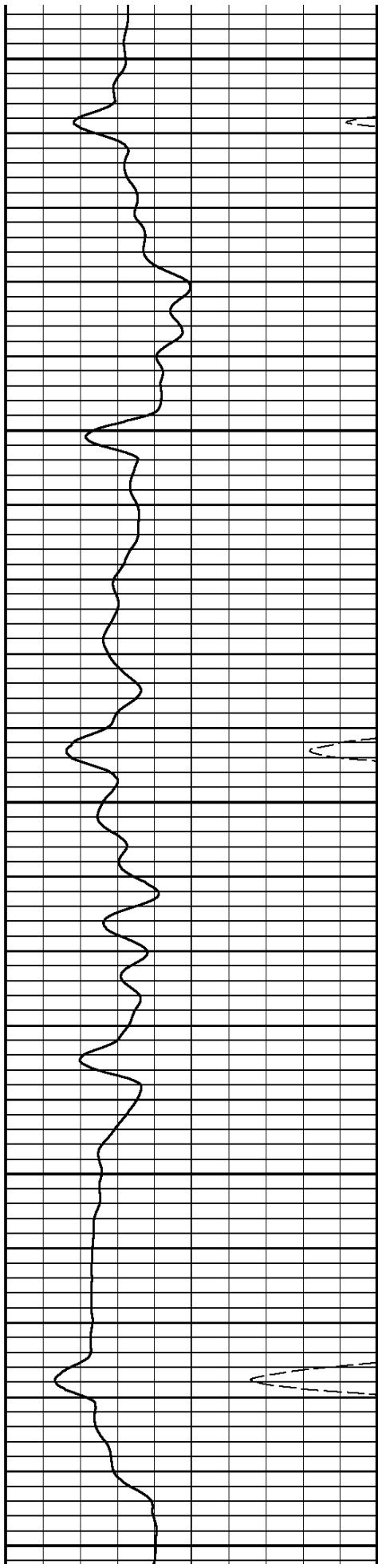
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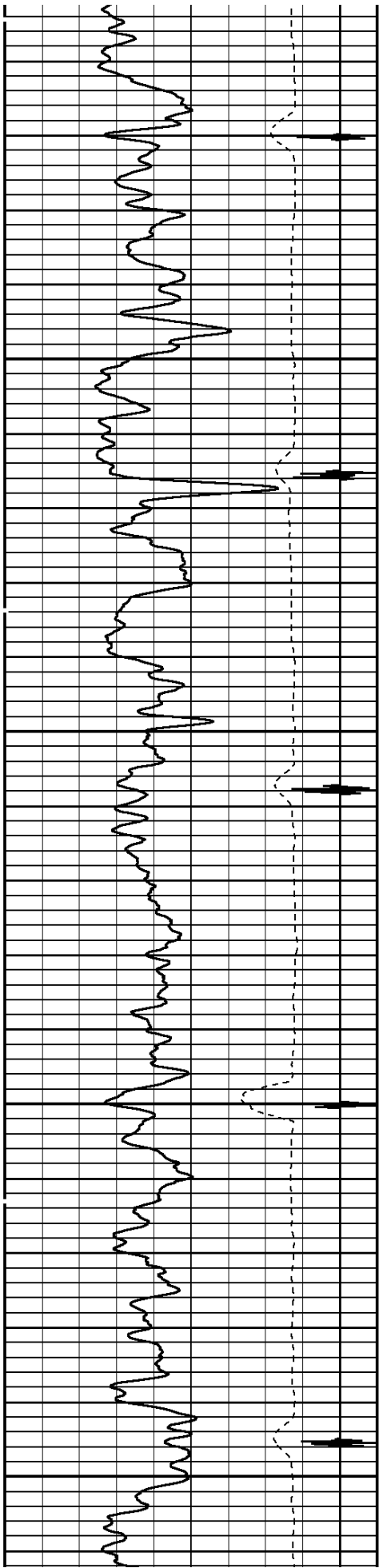




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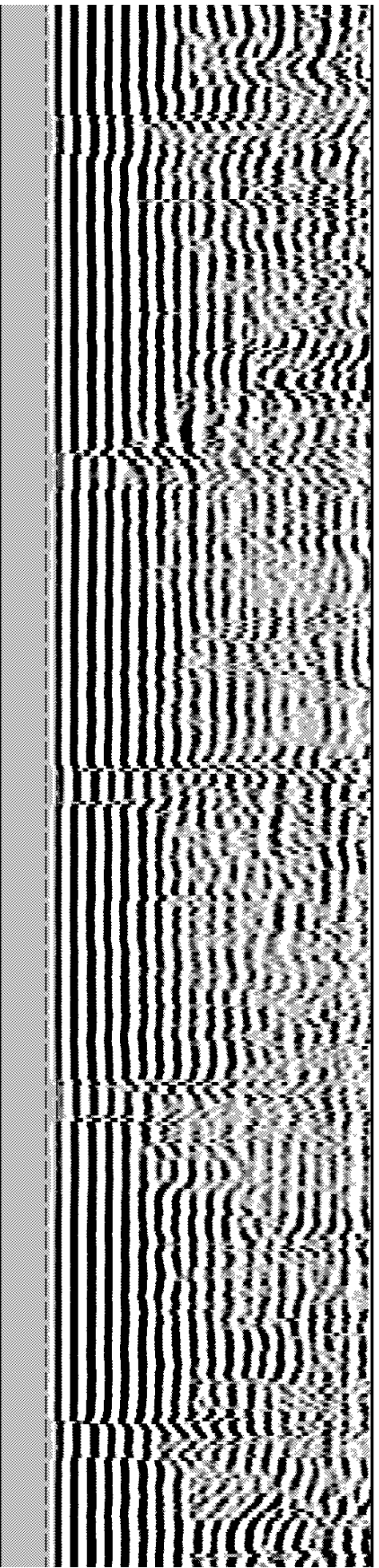
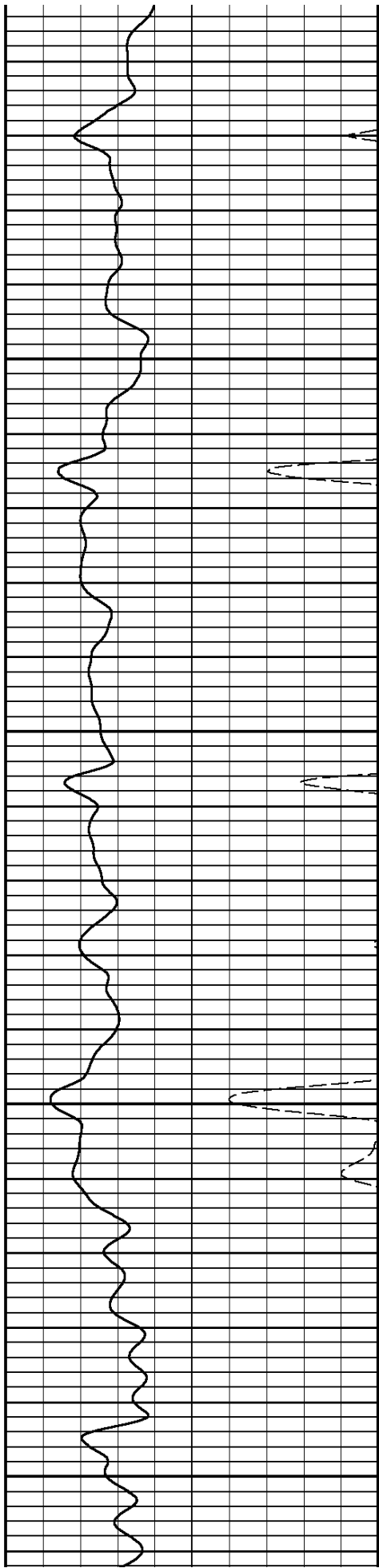
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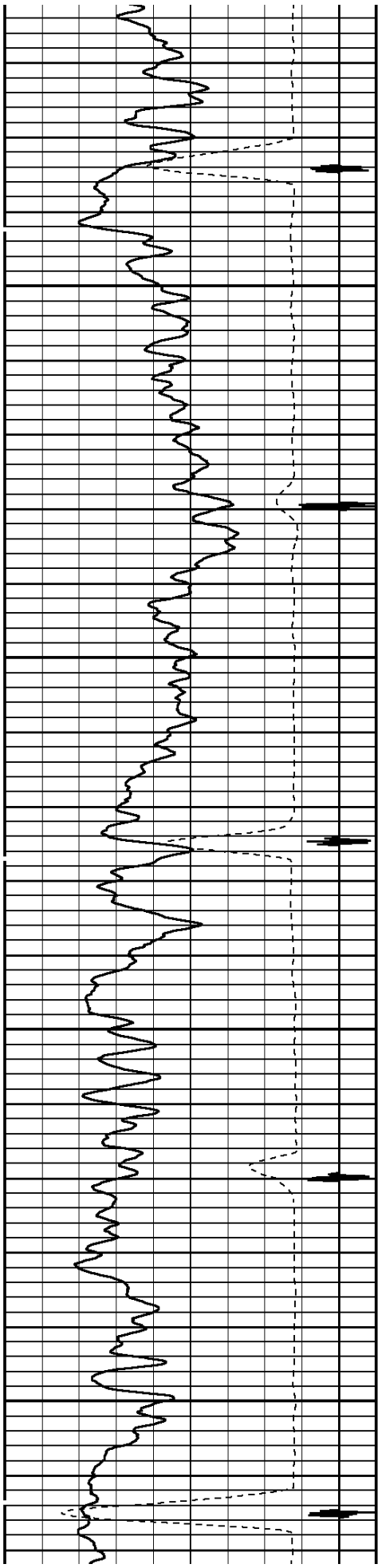




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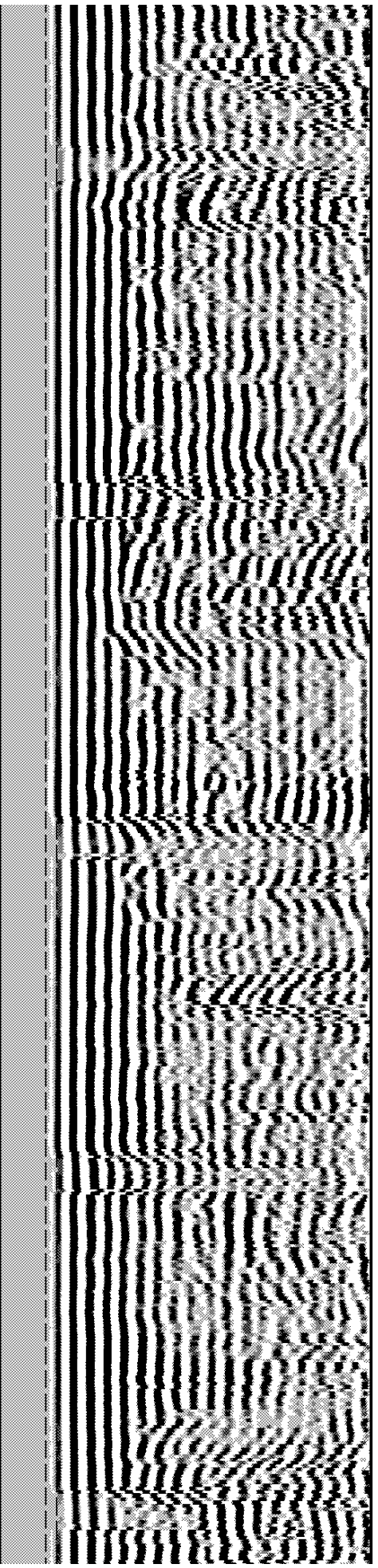
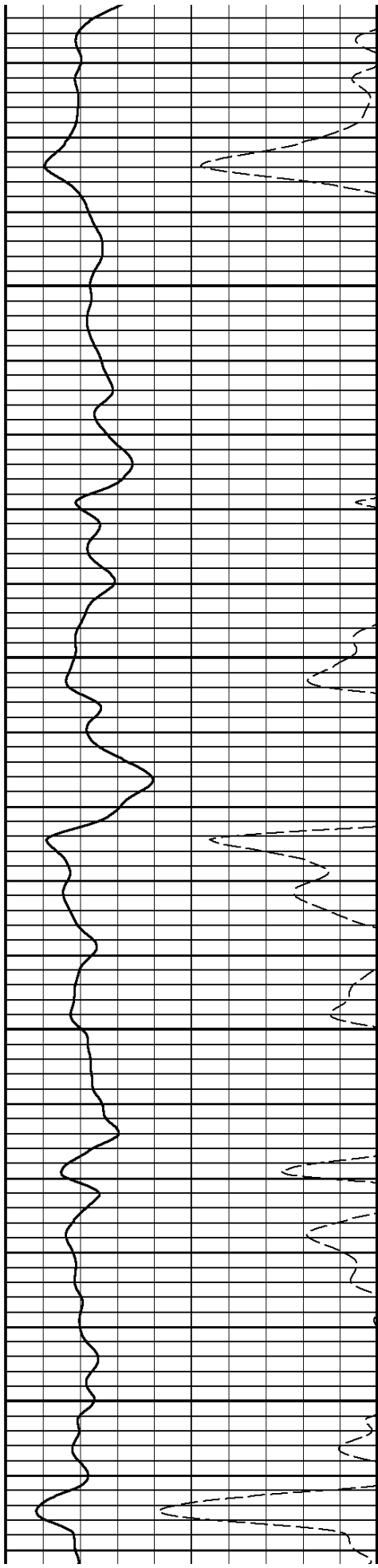
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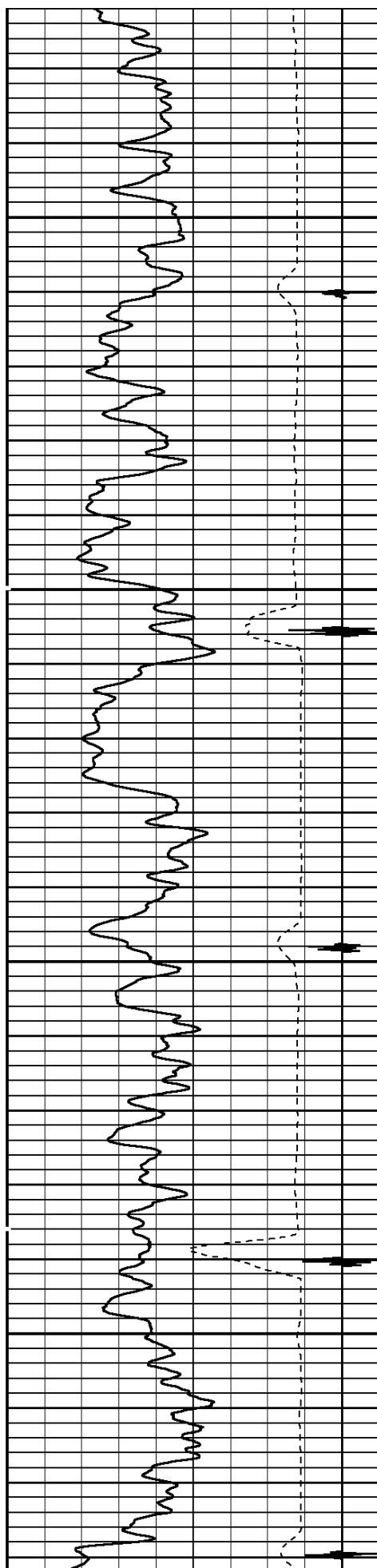




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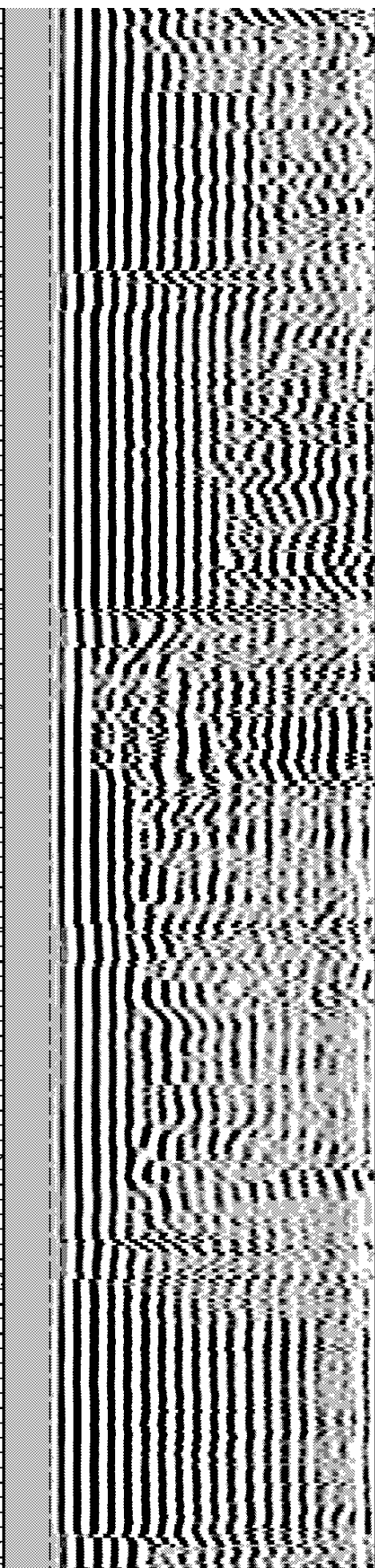
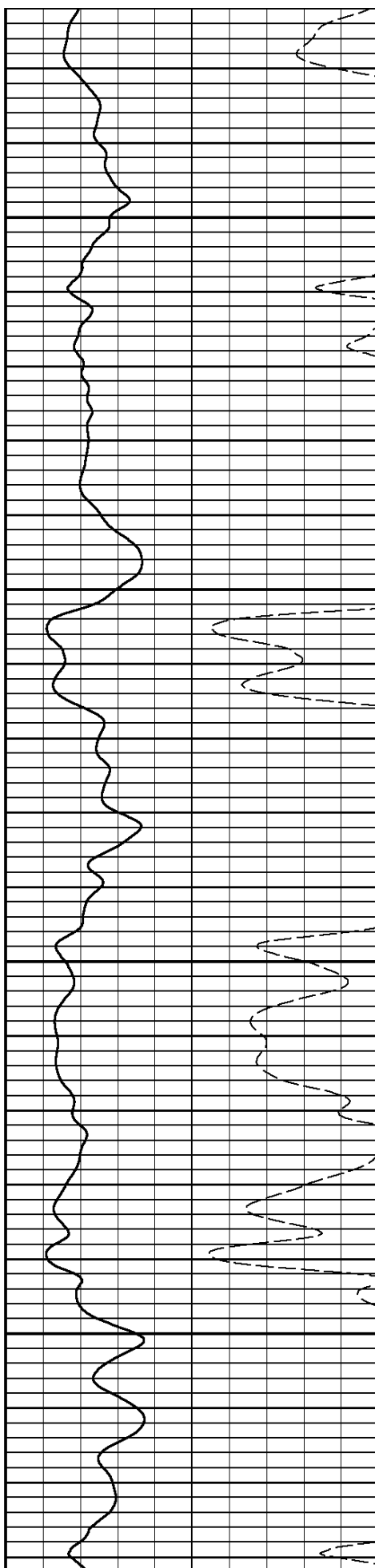
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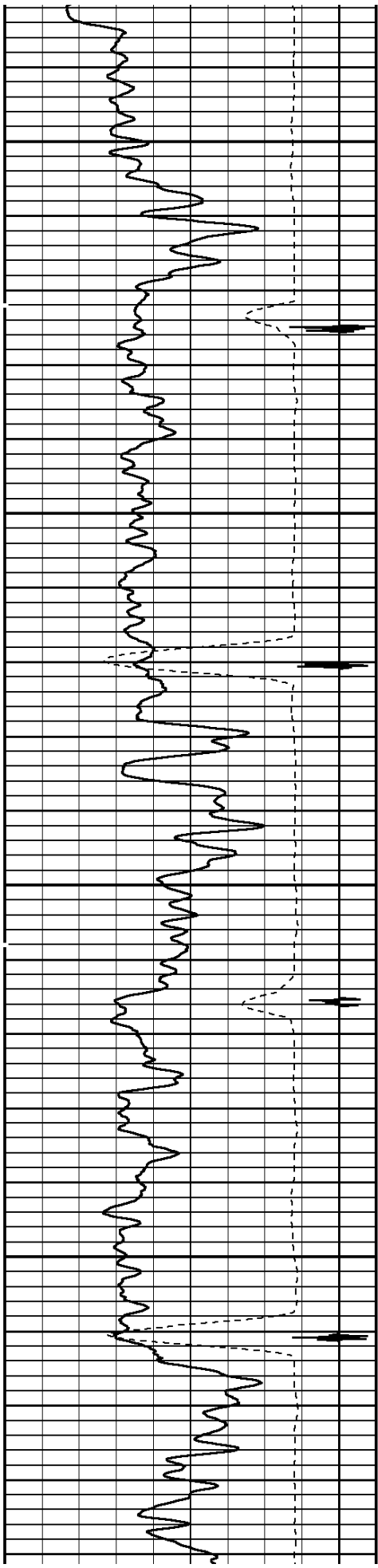




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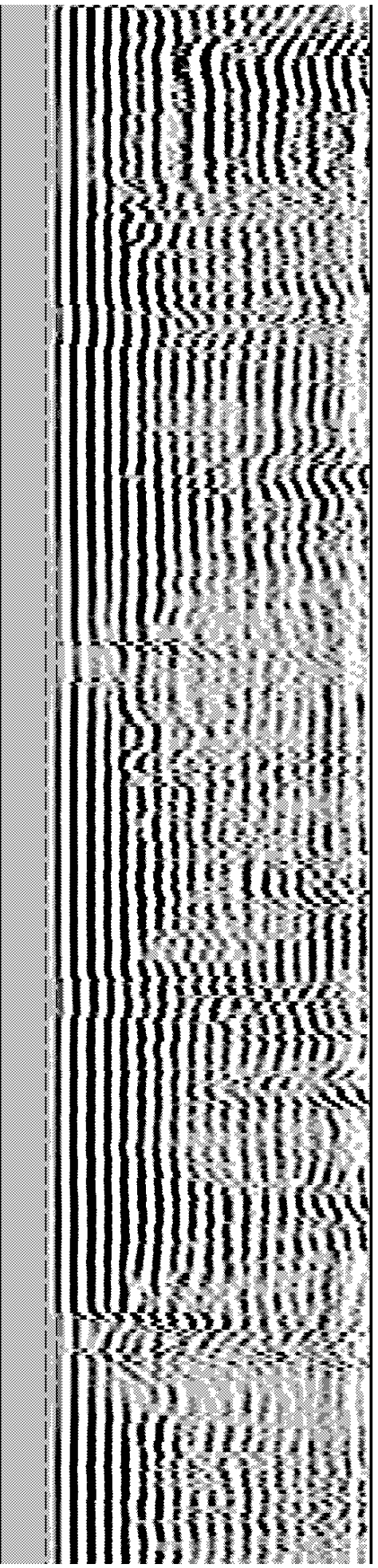
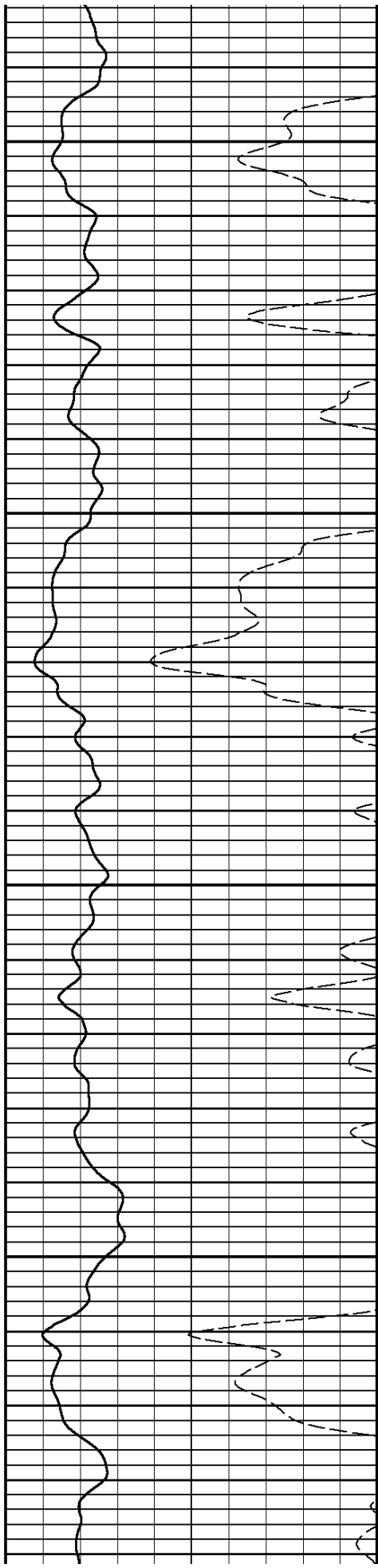
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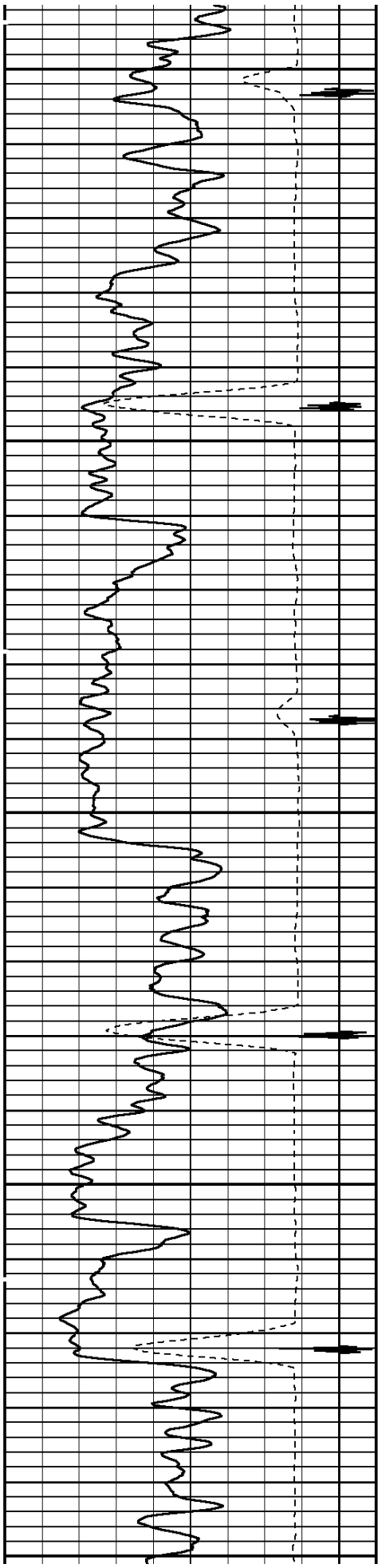




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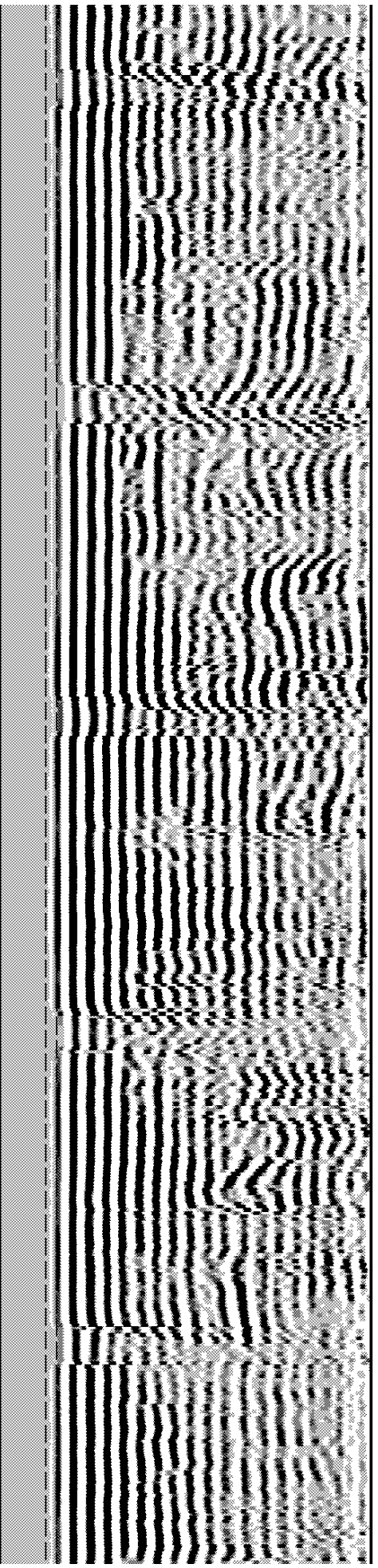
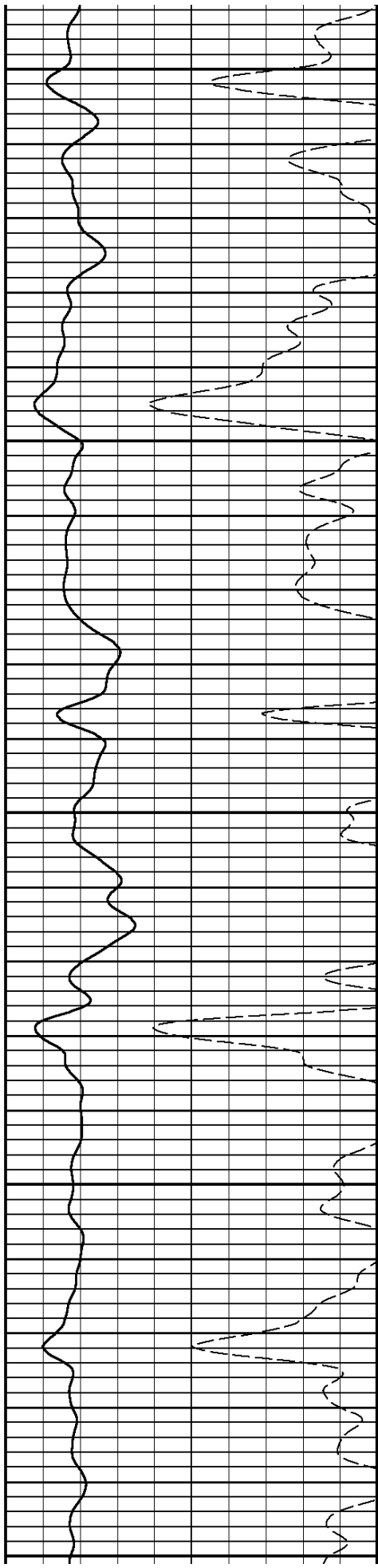


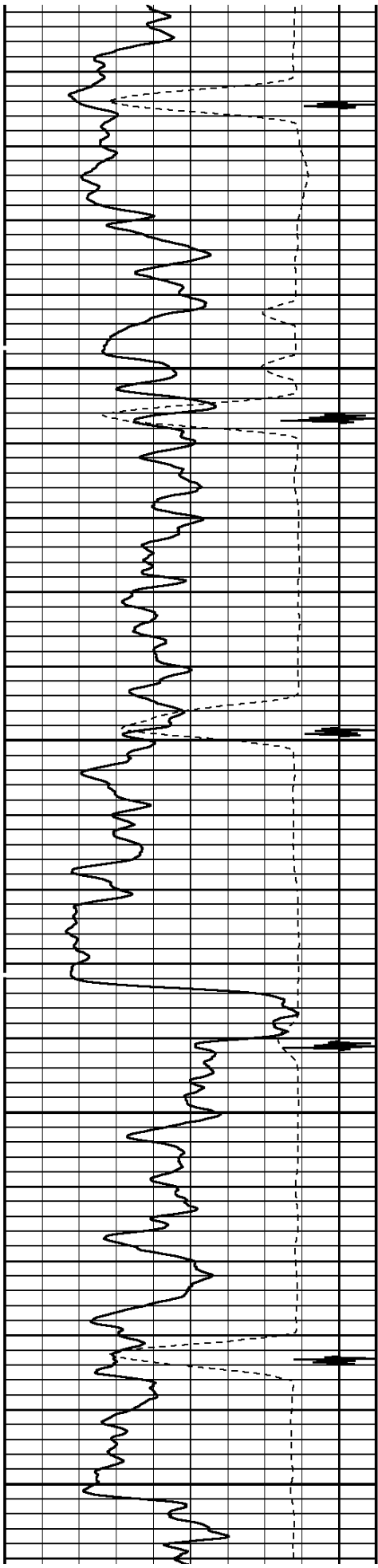


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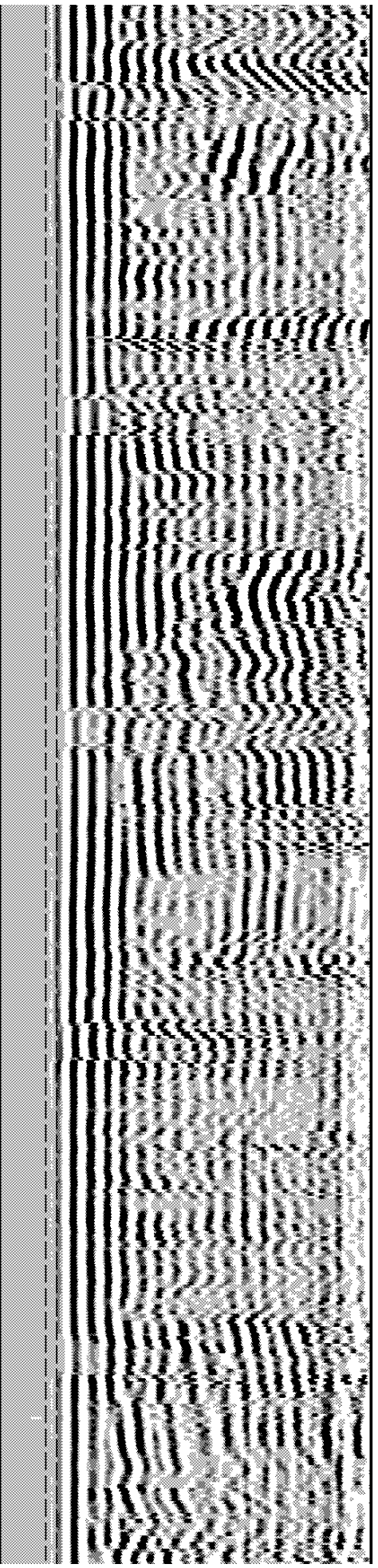
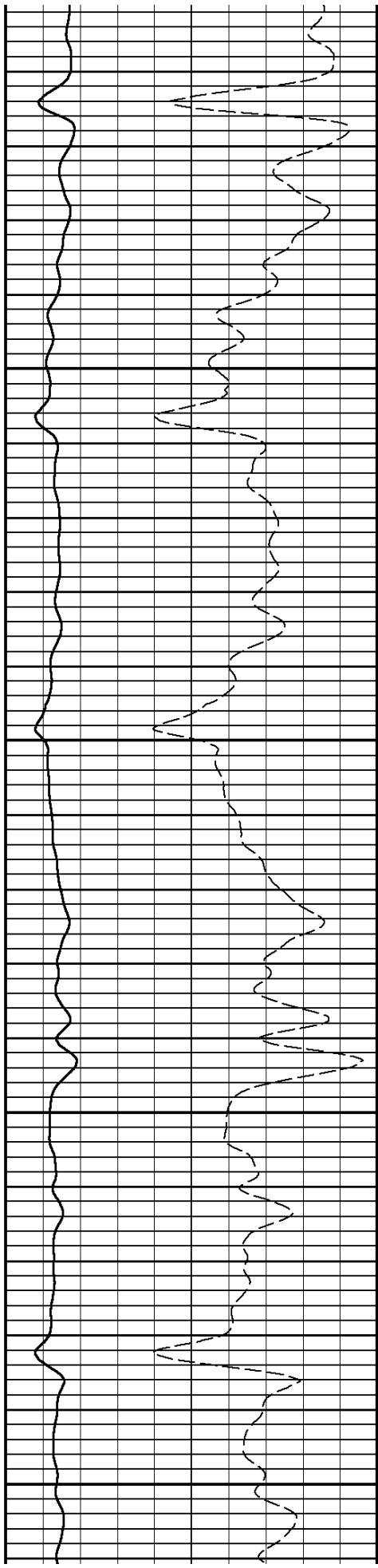
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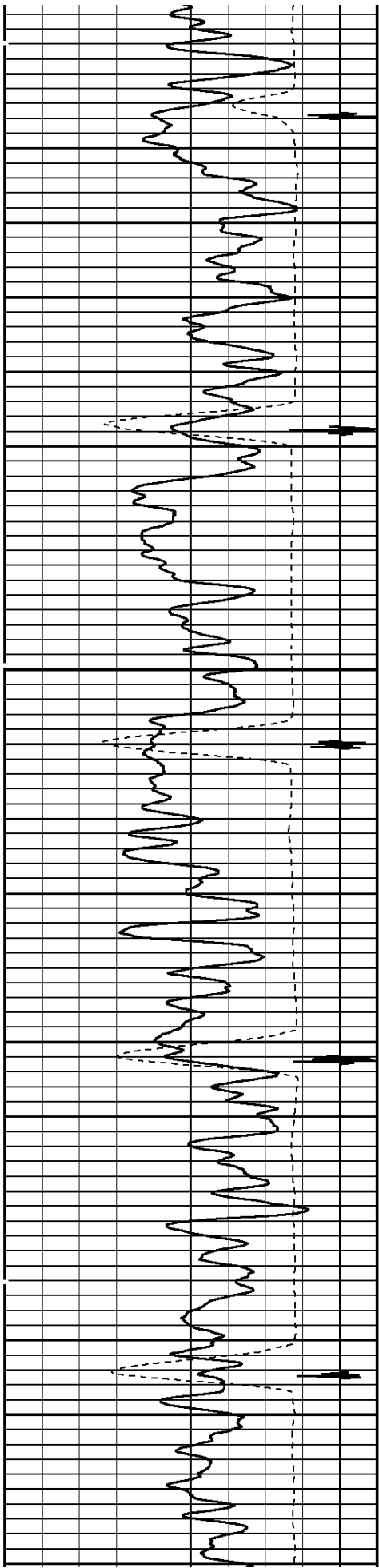




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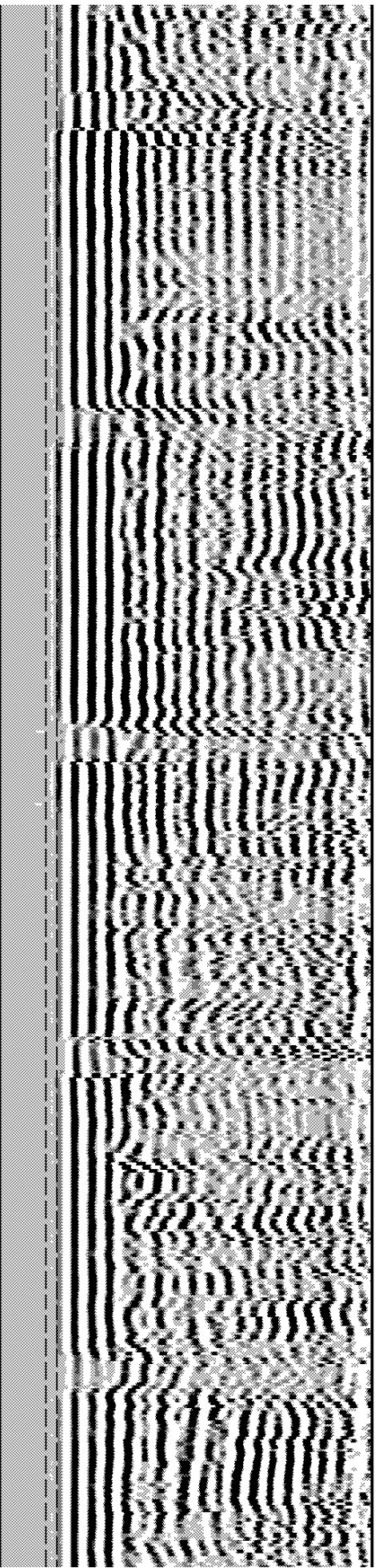
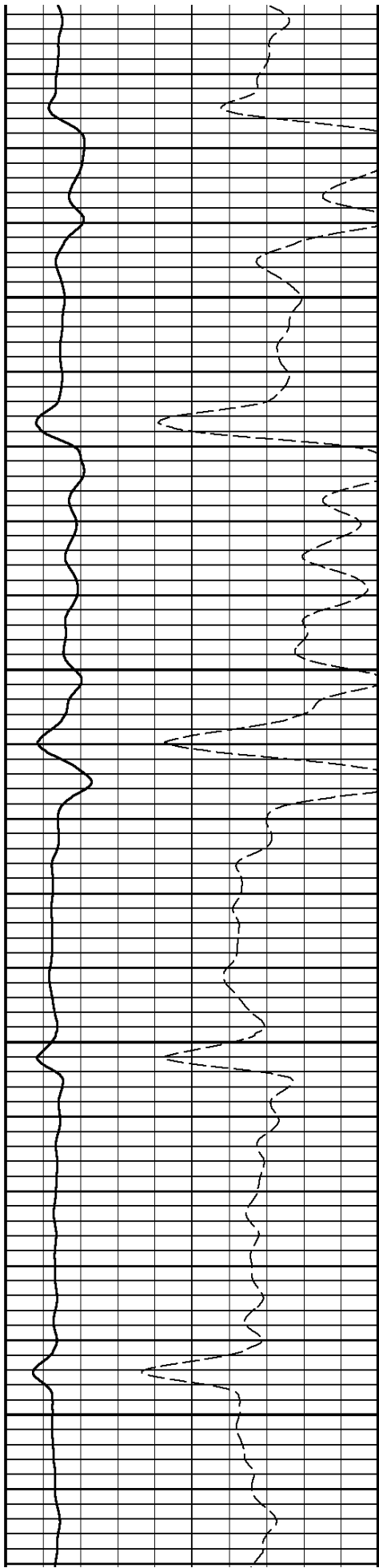
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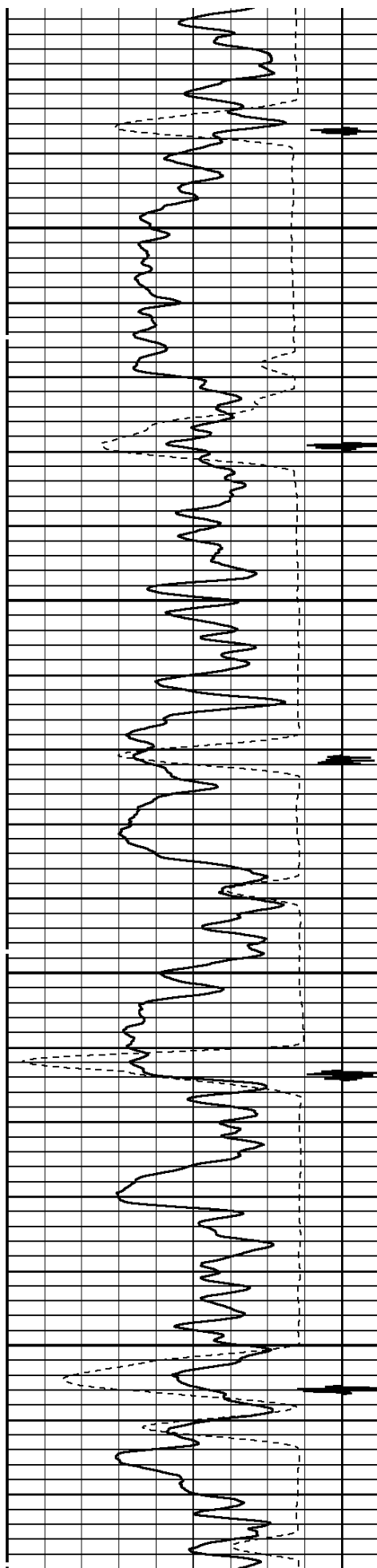




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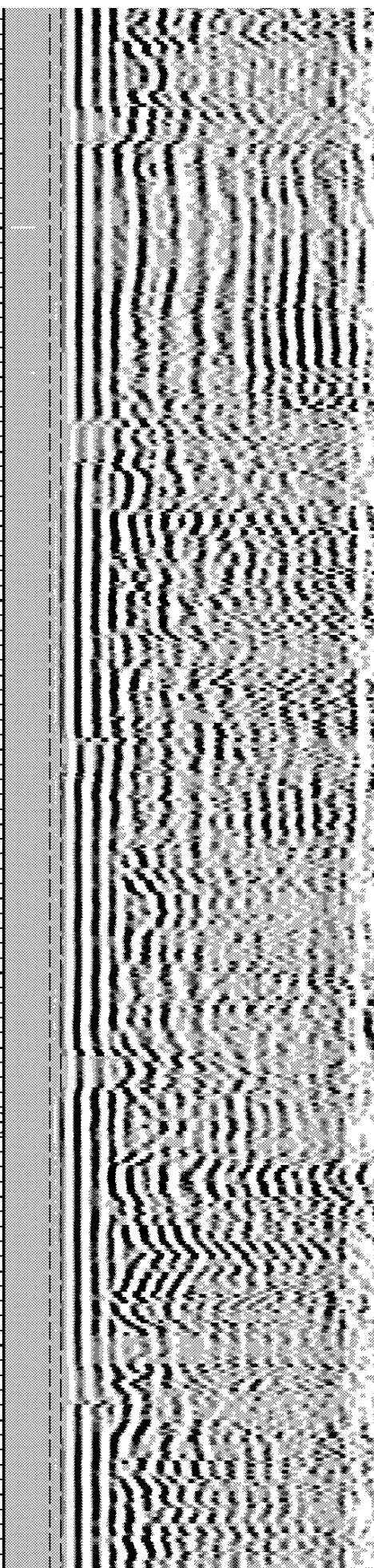
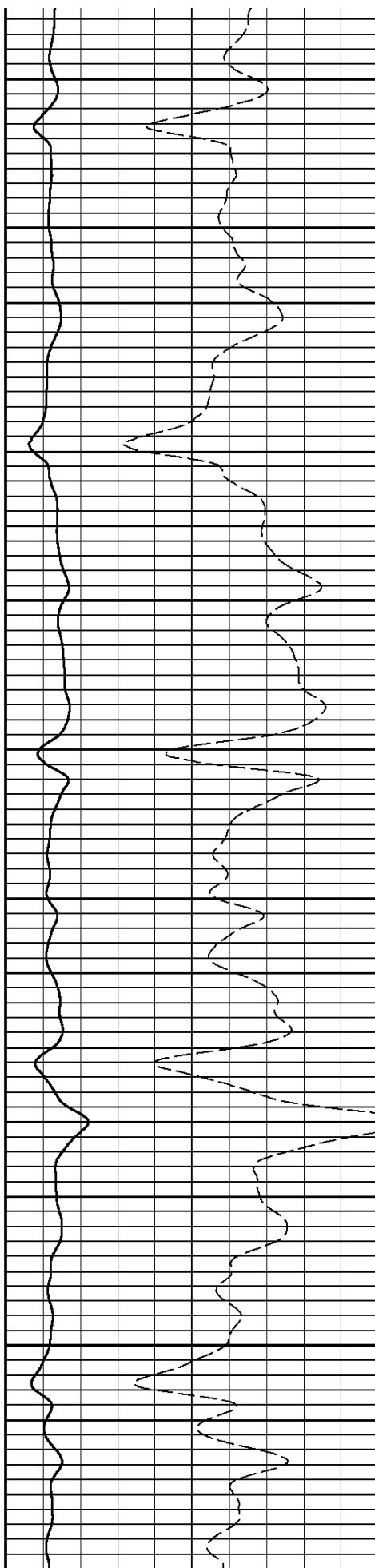
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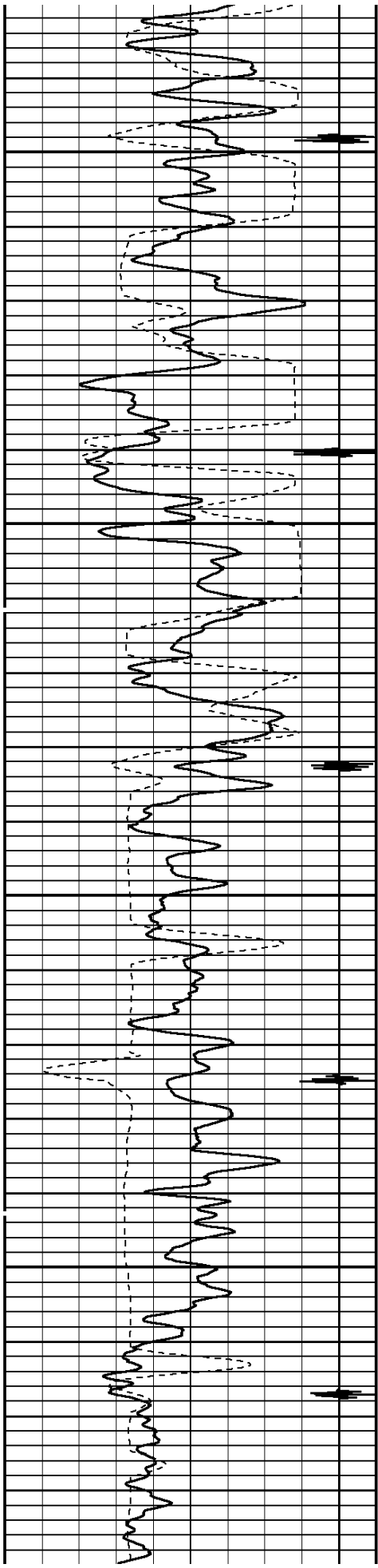




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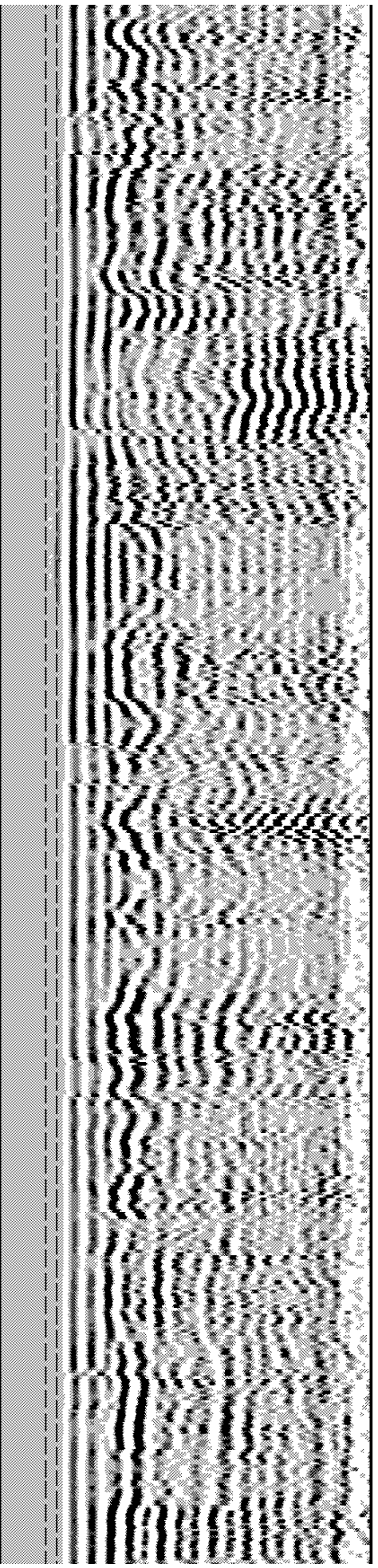
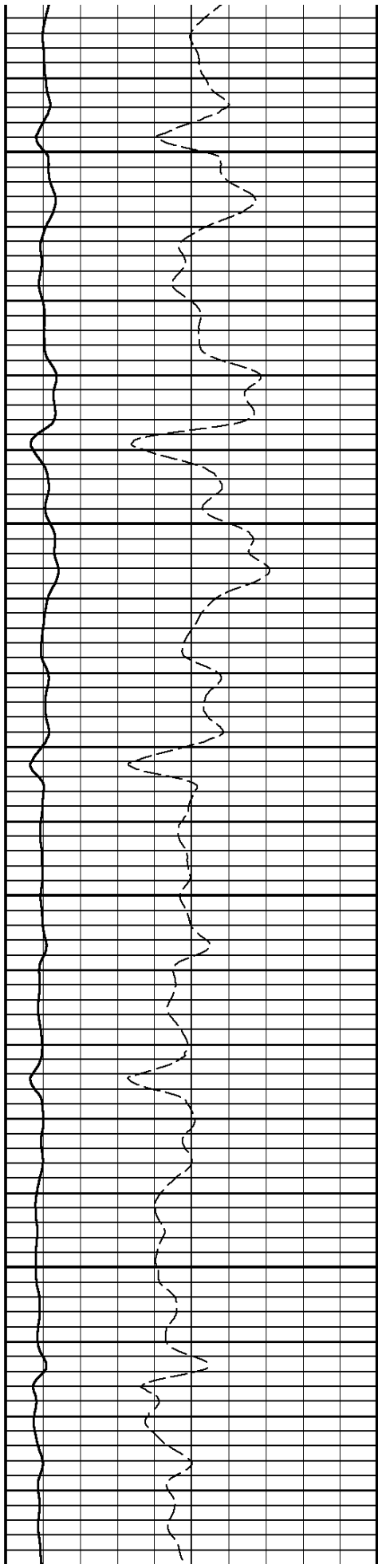
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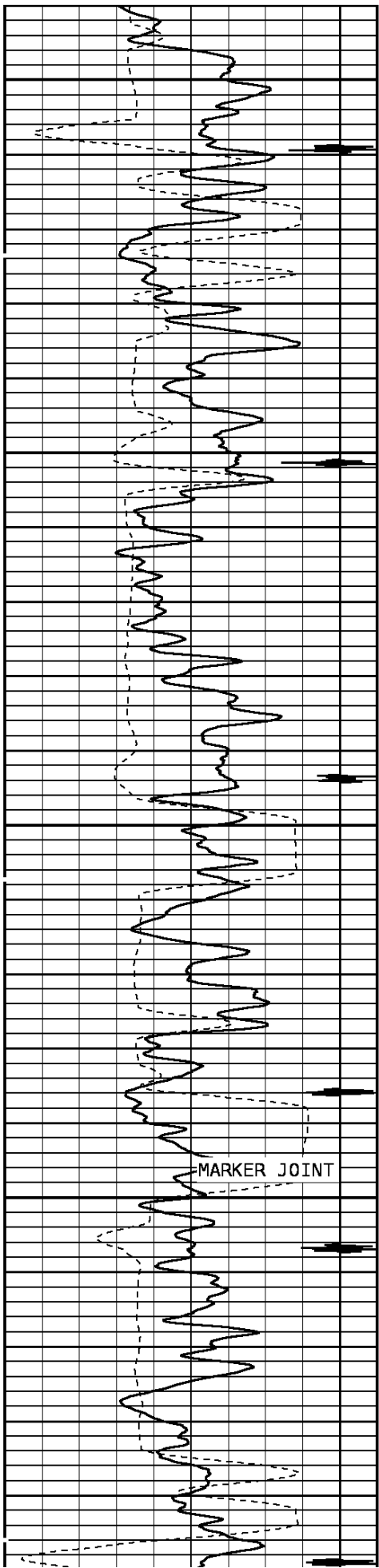




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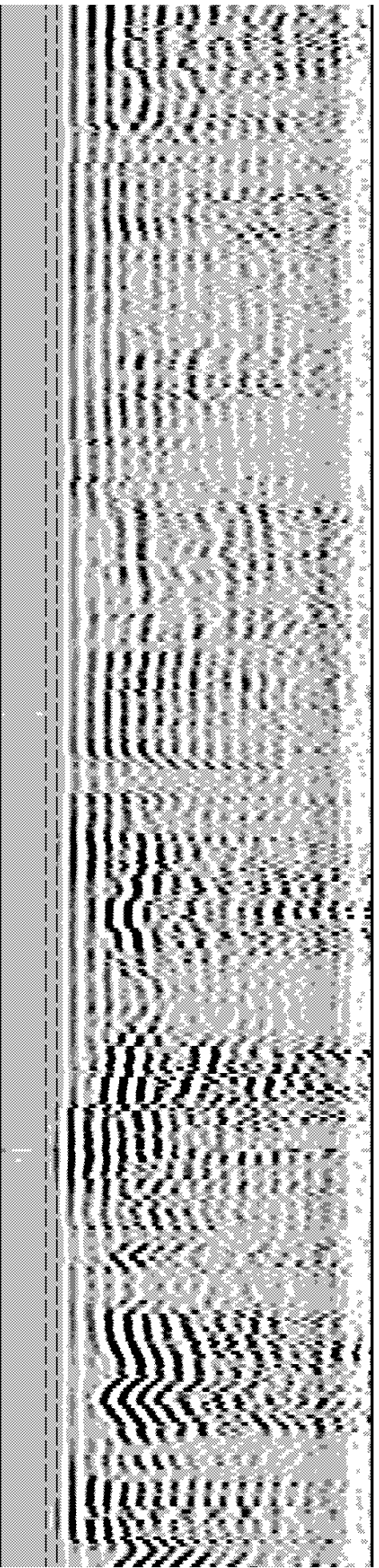
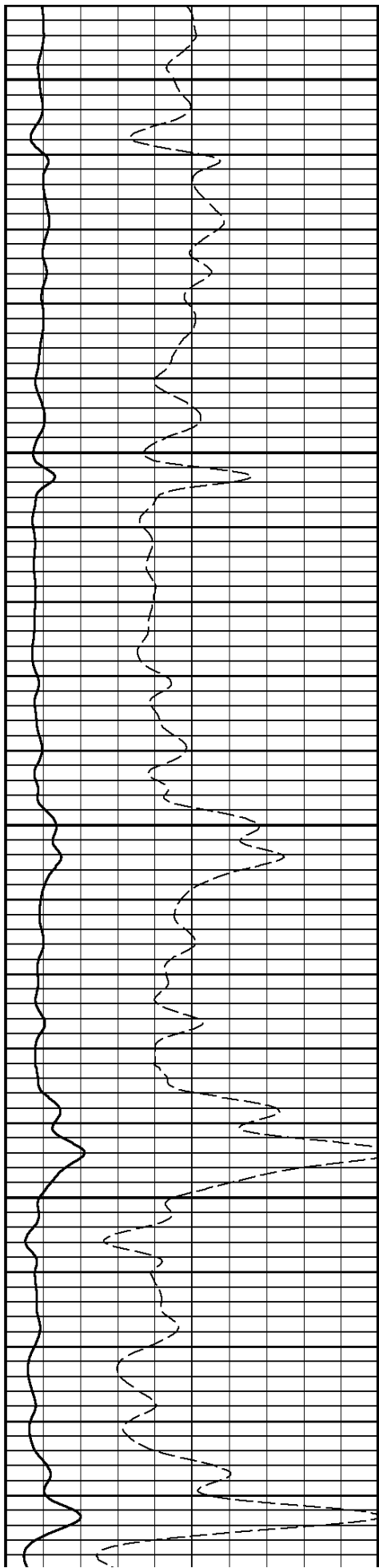
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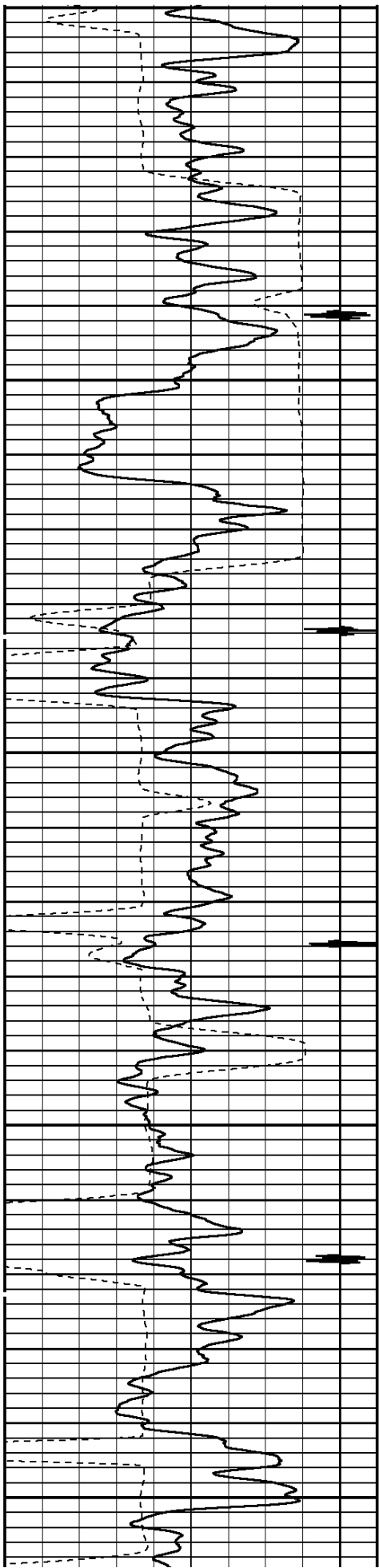




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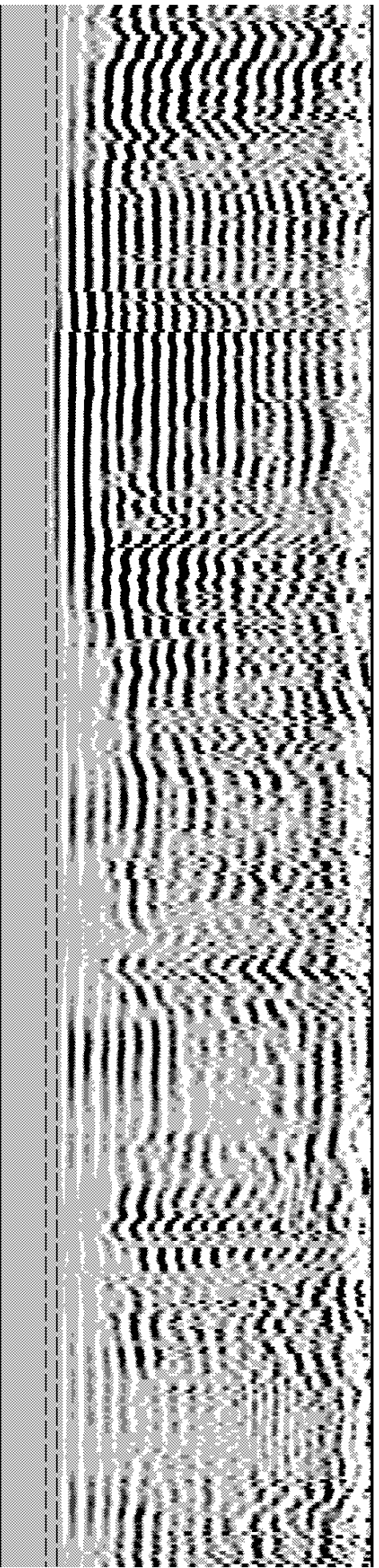
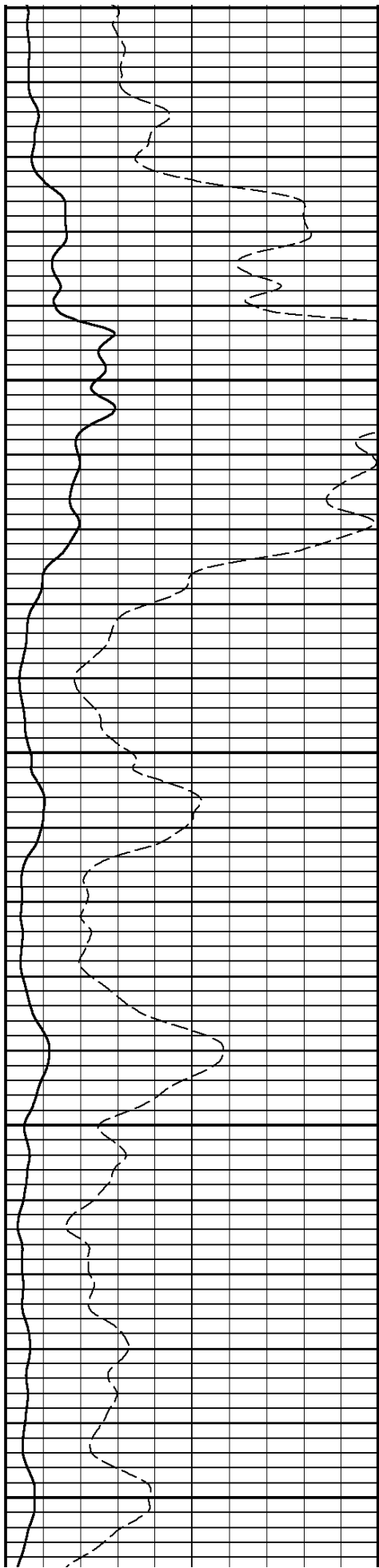
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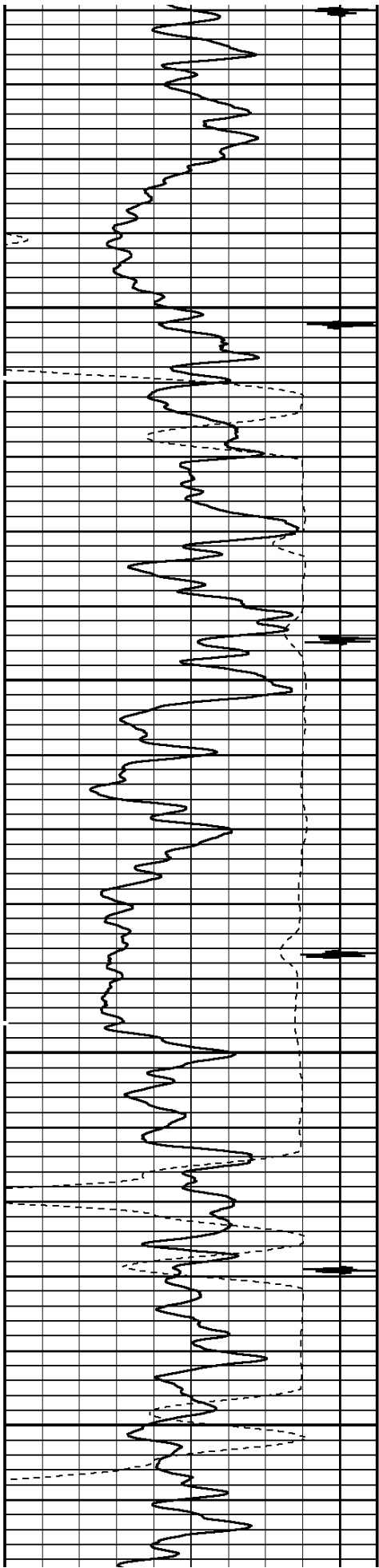




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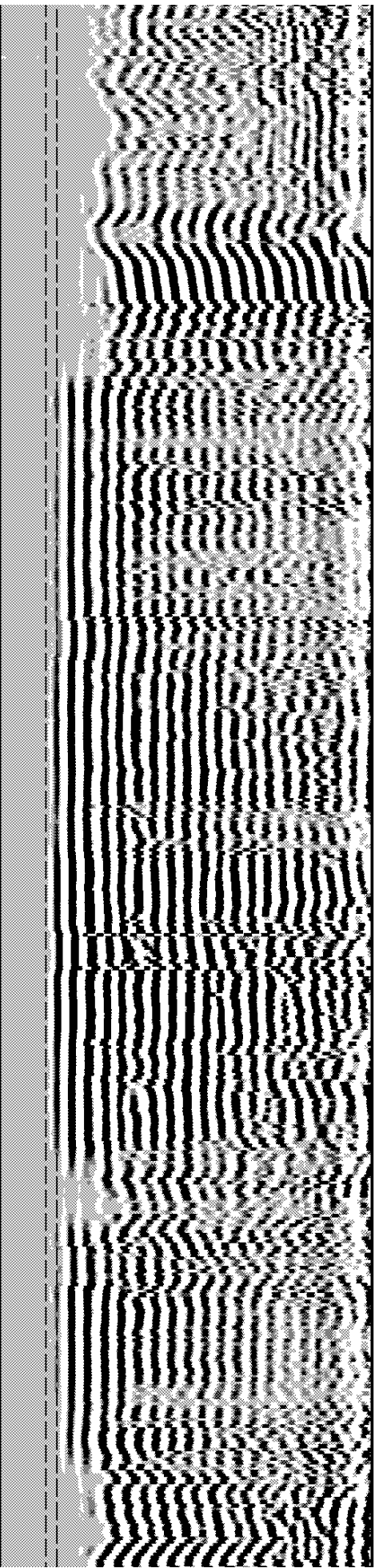
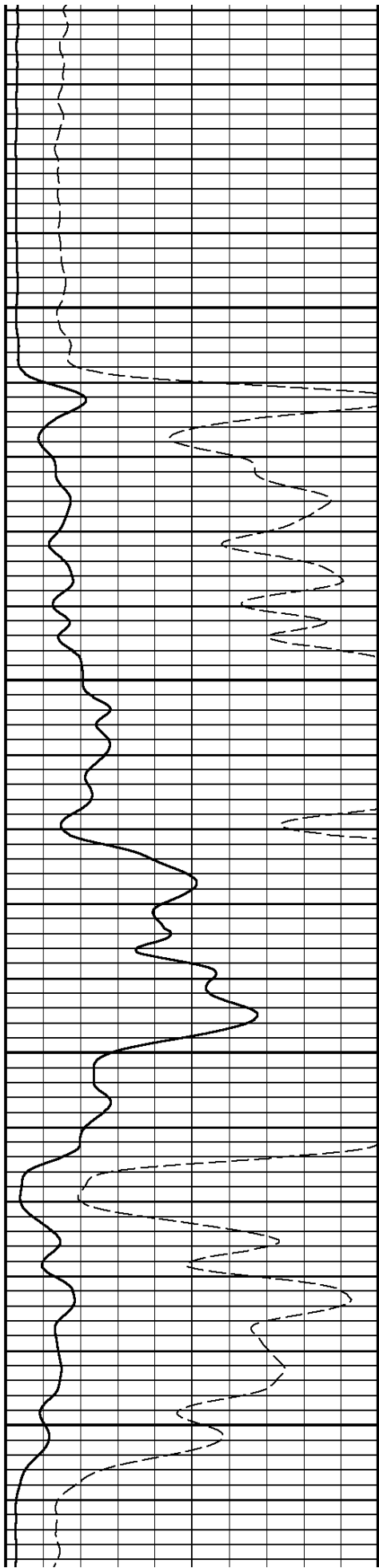
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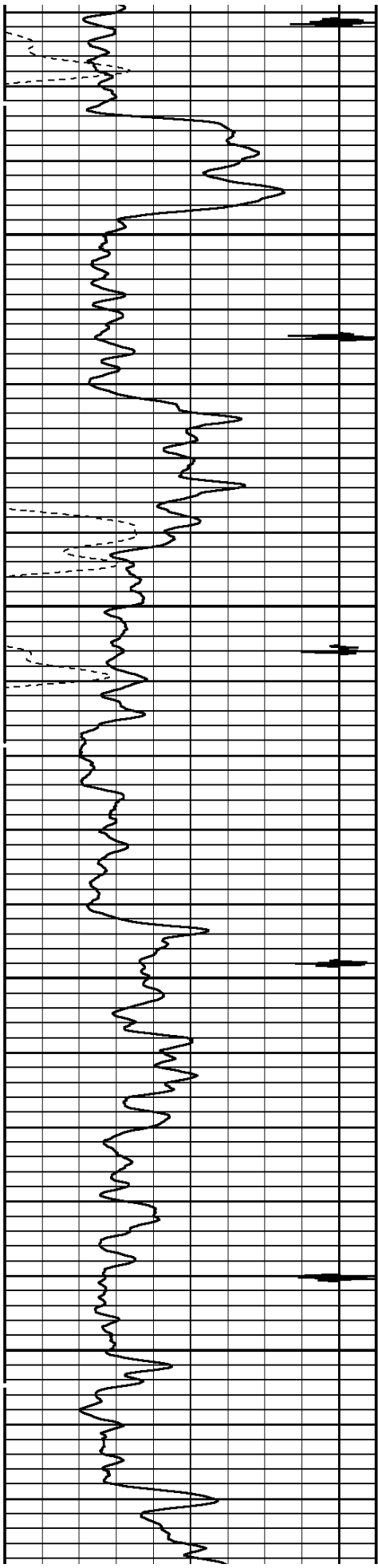




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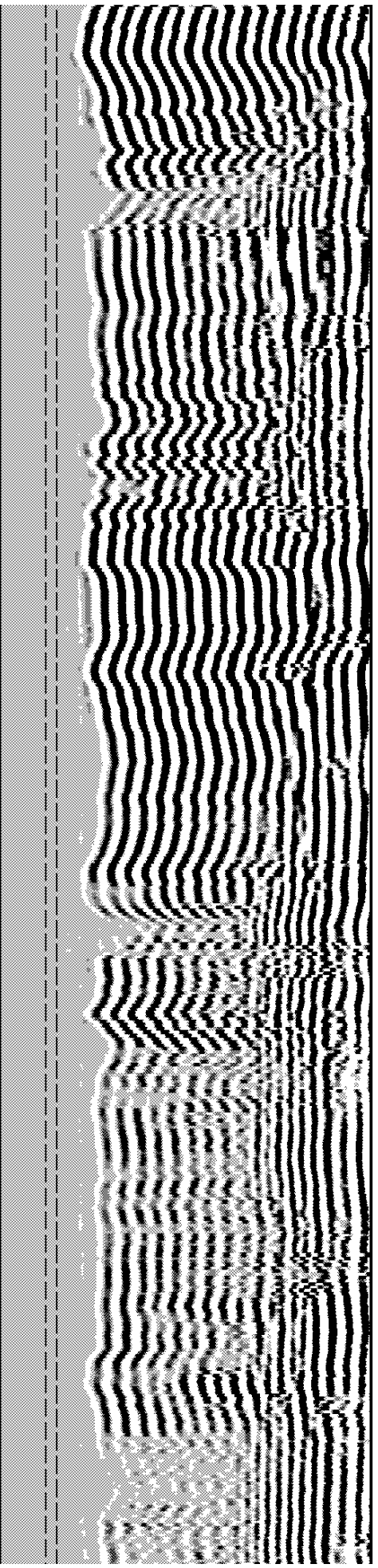
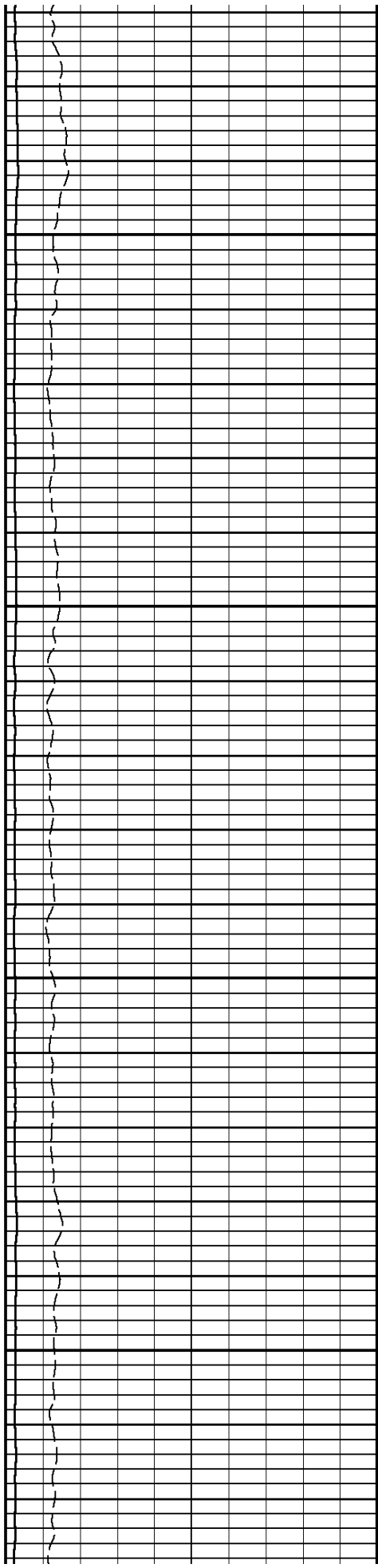
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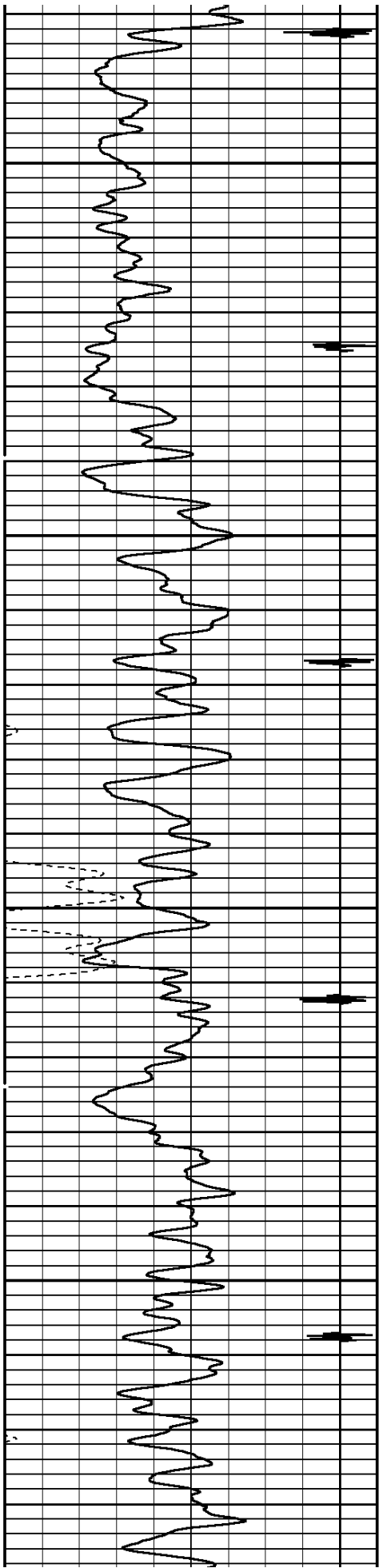




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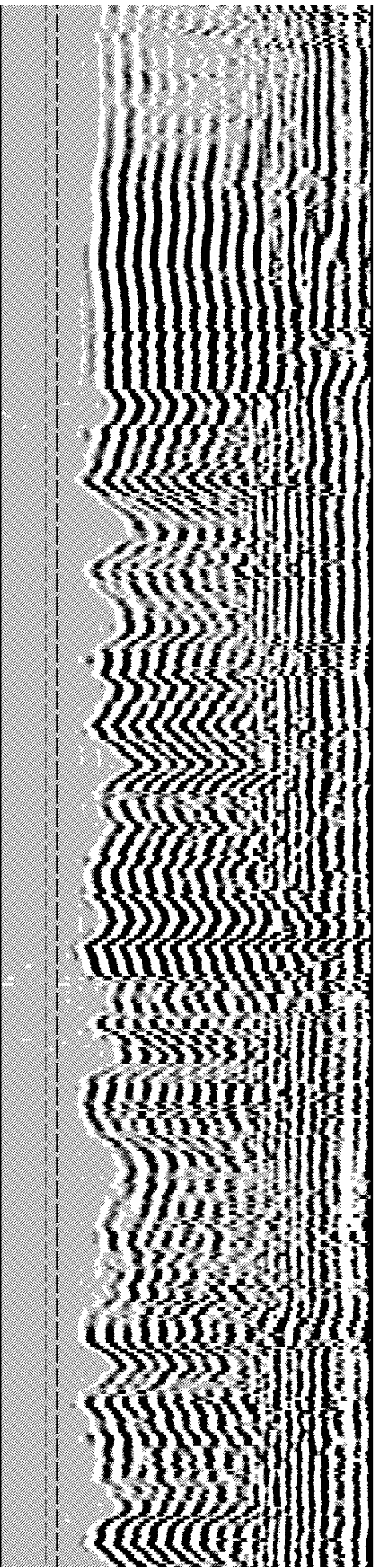
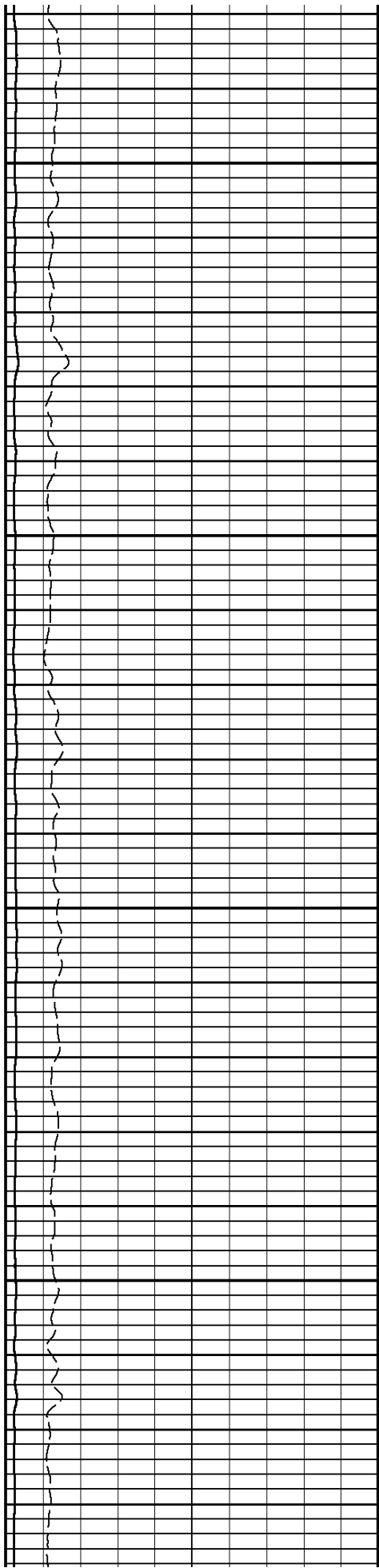
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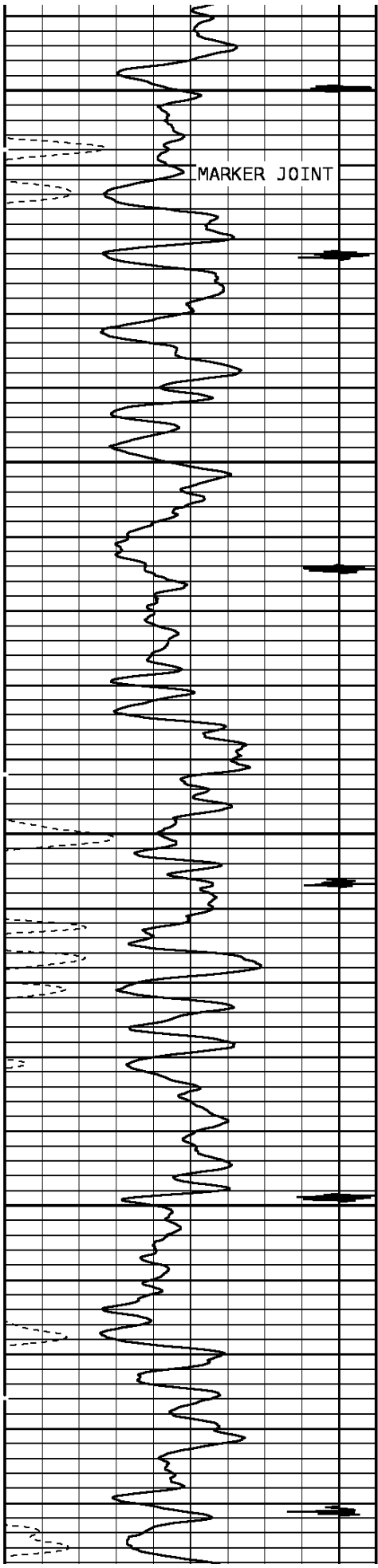




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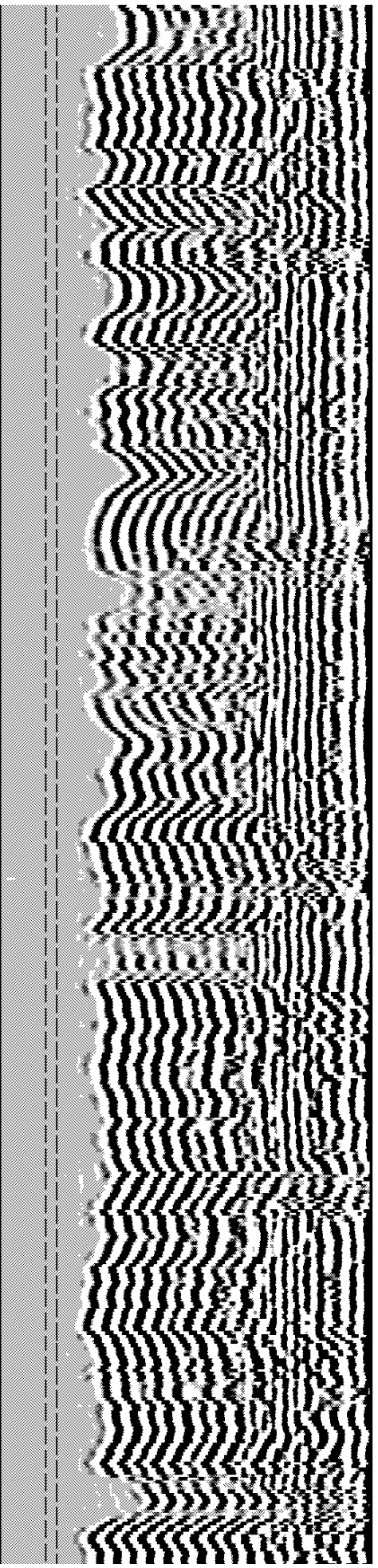
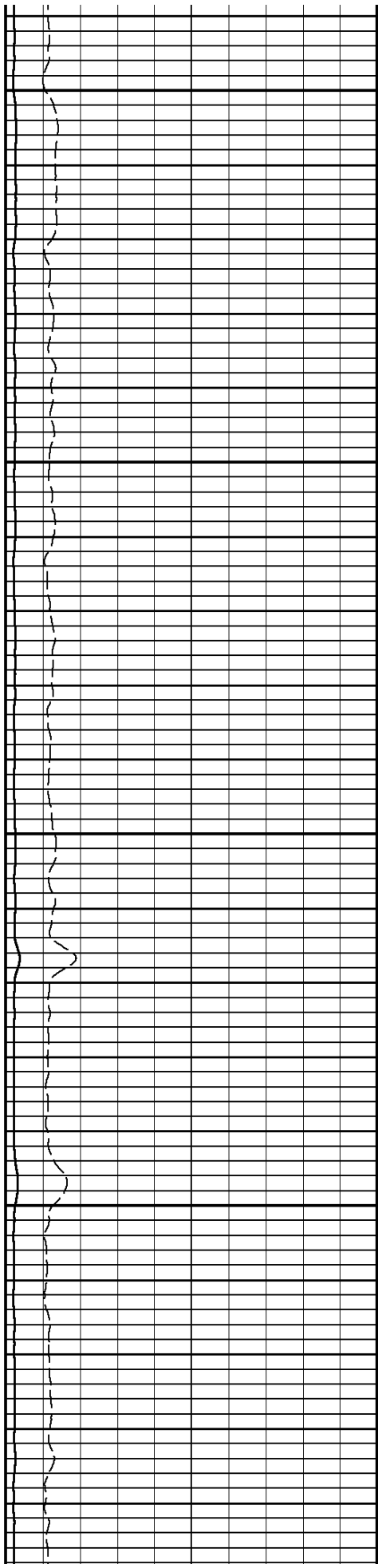
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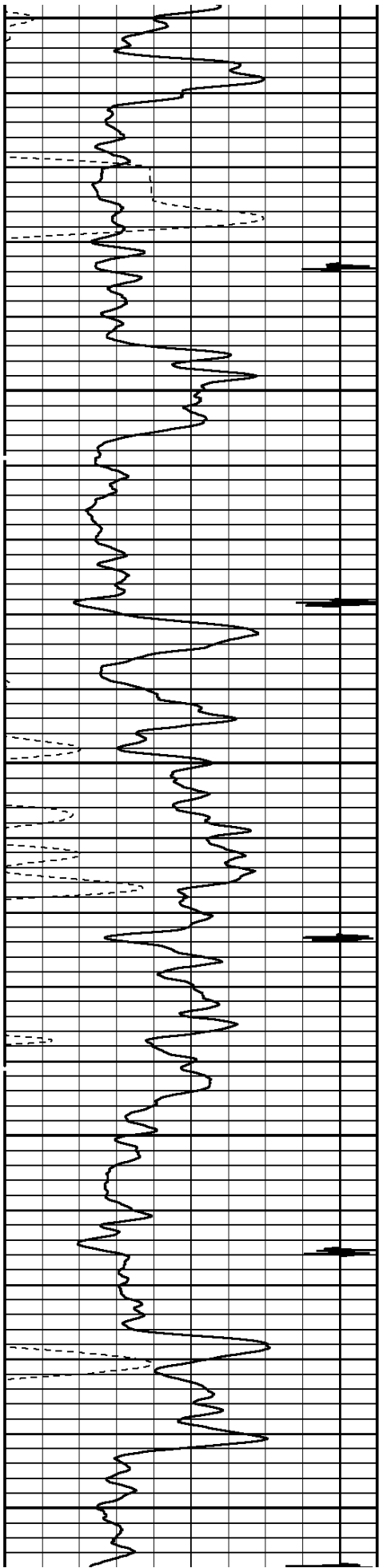




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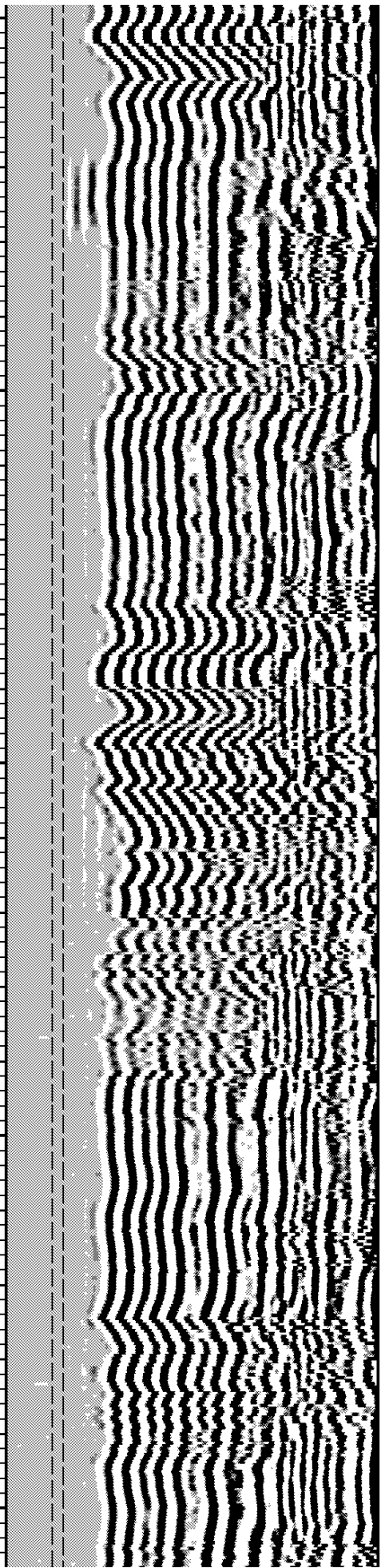
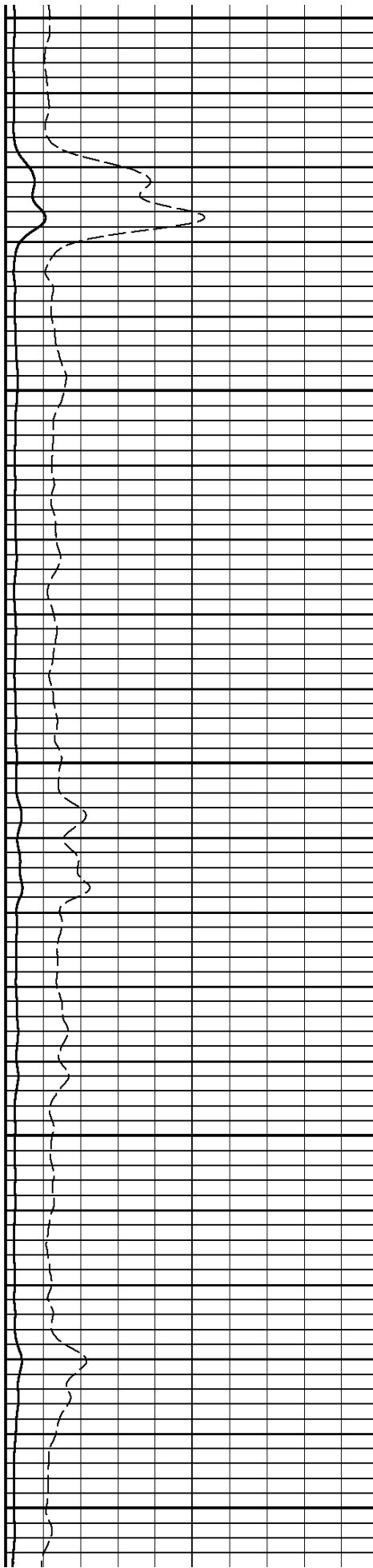


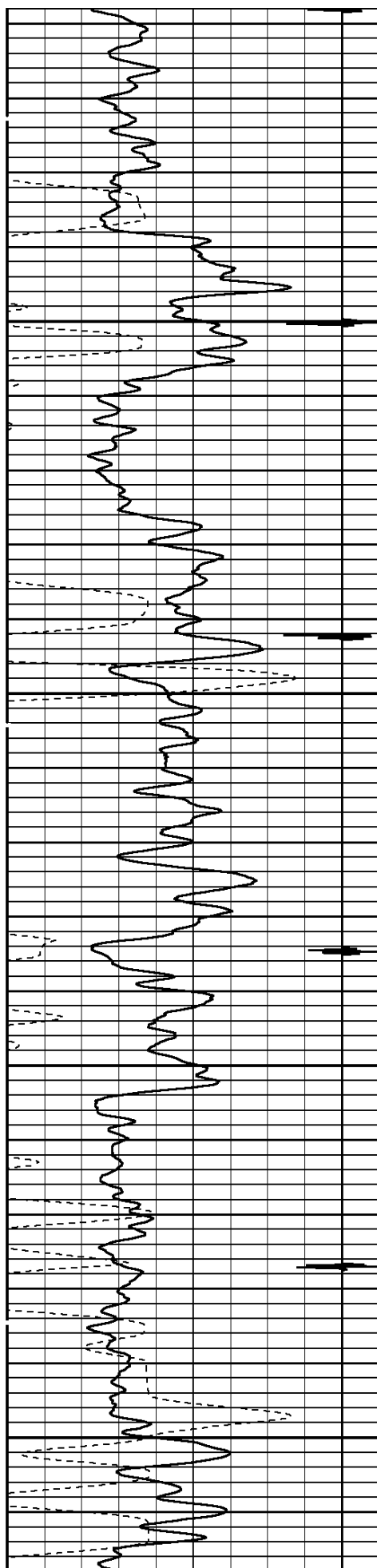


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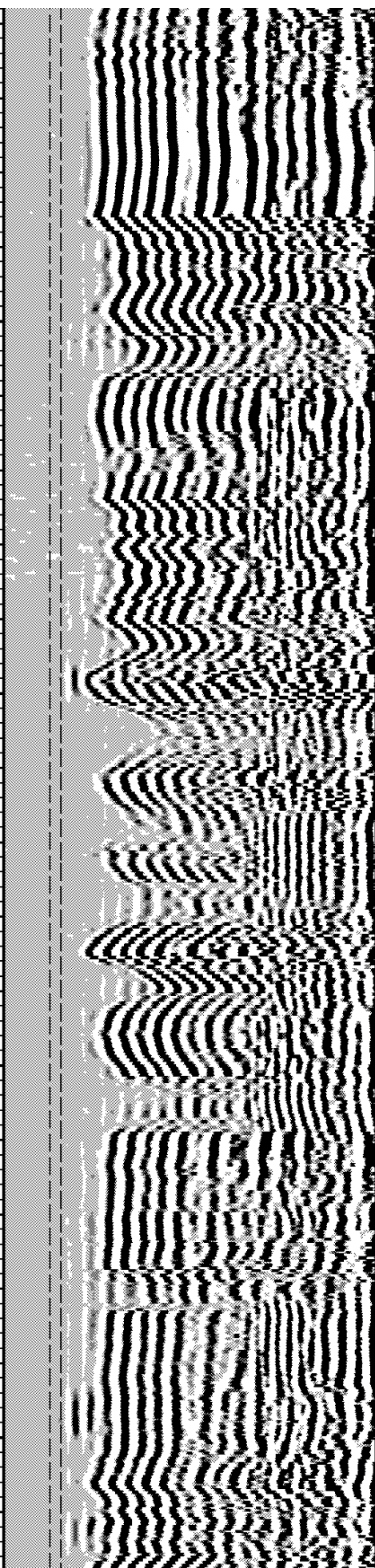
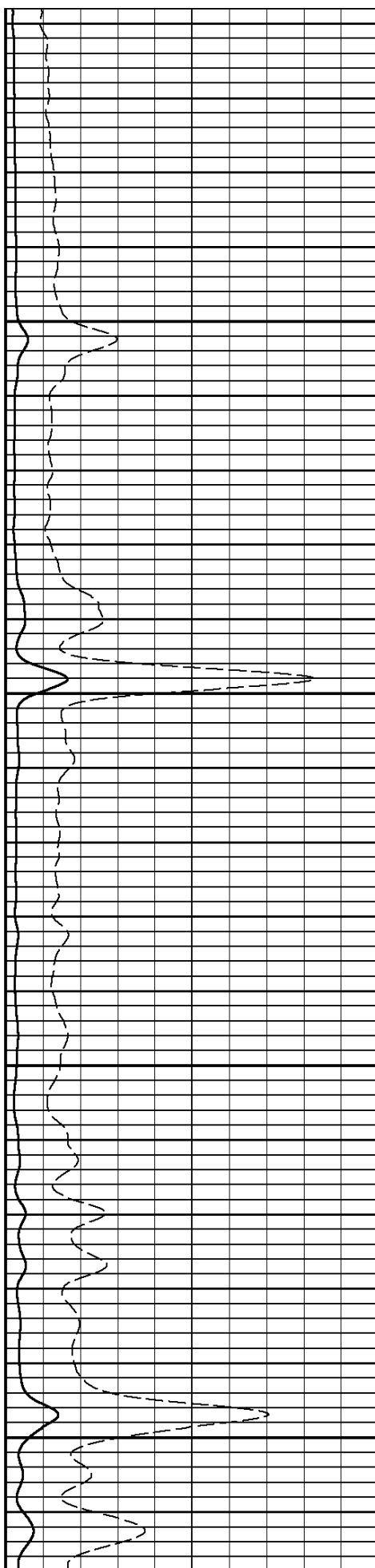
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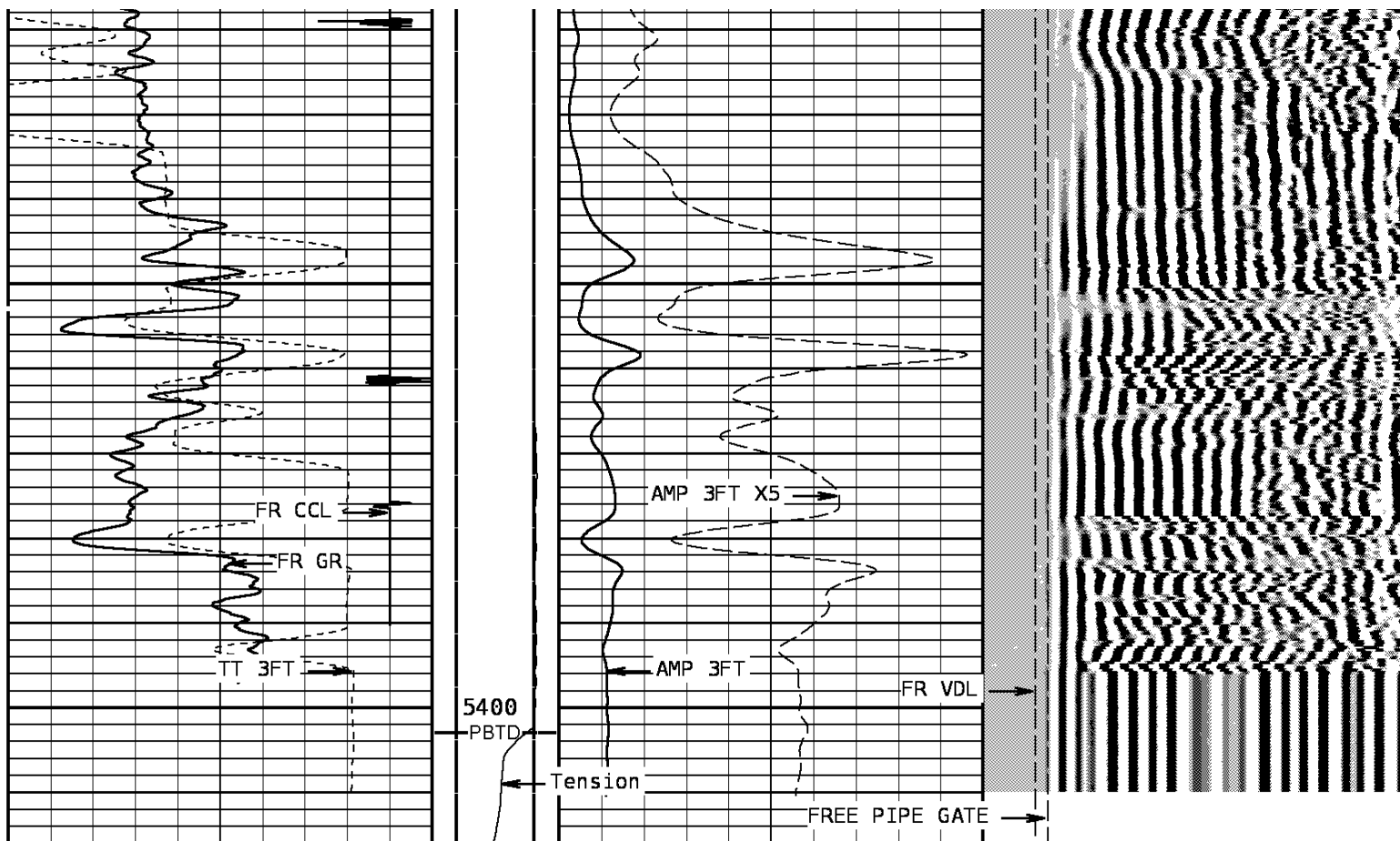




5200

5300





TRAVEL TIME 3FT			Tension		AMPLITUDE 3FT		VARIABLE DENSITY 5FT			
310	Microseconds	210			0	Millivolts	100	200	Microseconds	1200
Gamma Ray					AMPLITUDE 3FT X5		FREE PIPE GATE			
0	API	150			0	Millivolts	20	200	Microseconds	1200
Collar Locator							FREE PIPE GATE			
-8000	Millivolts	880					200	Microseconds	1200	

START DEPTH: 5416.4 DIRECTION: UP DATE: 12/26/2008 TIME: 22:16 MODE: ORIGINAL

153120 CBLMAINF

MAIN PASS

DEPTH SCALE: 5":100'

VERSION: 80214133R"

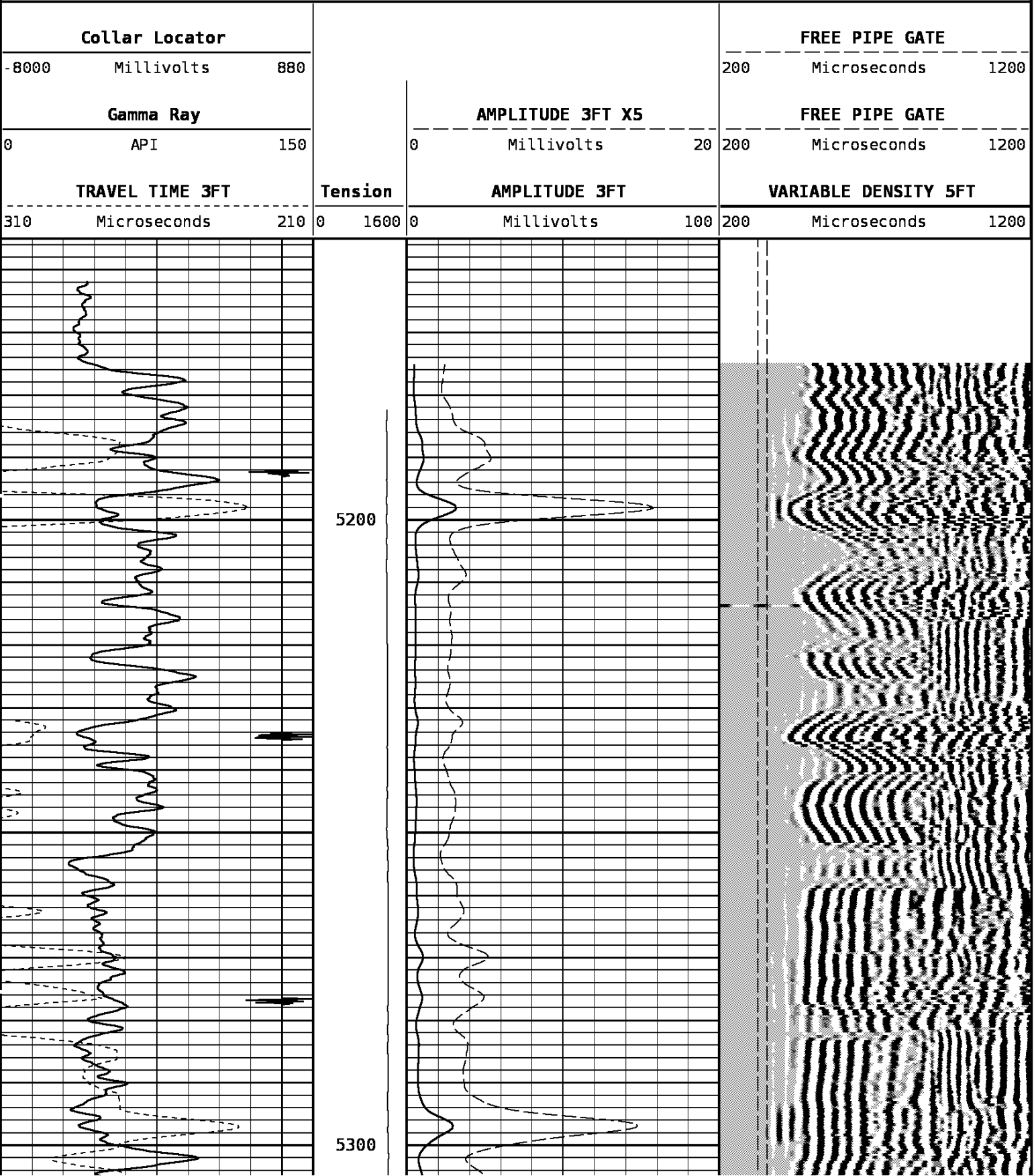
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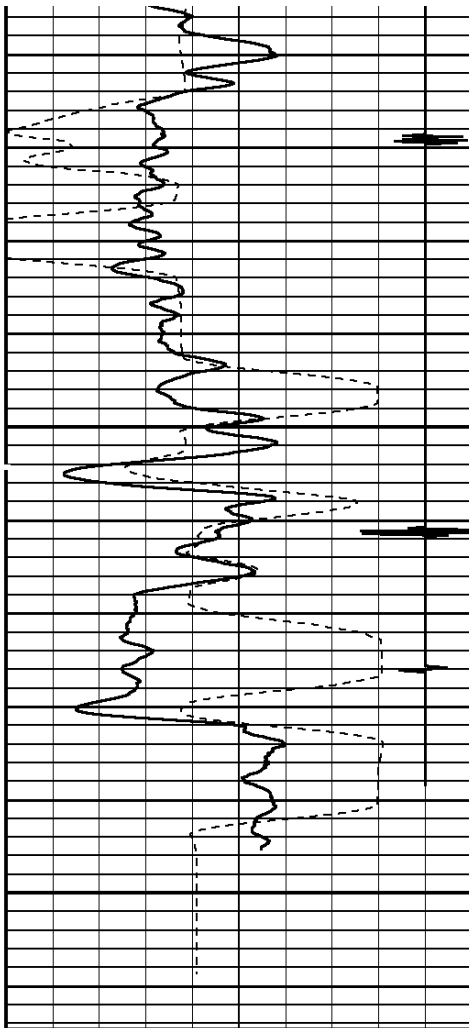
VERSION: 80214133R"

REPEAT PASS

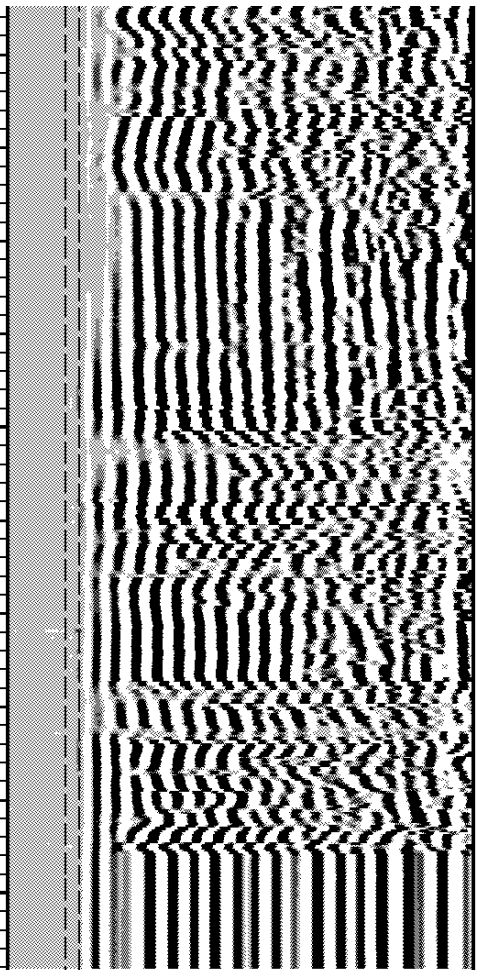
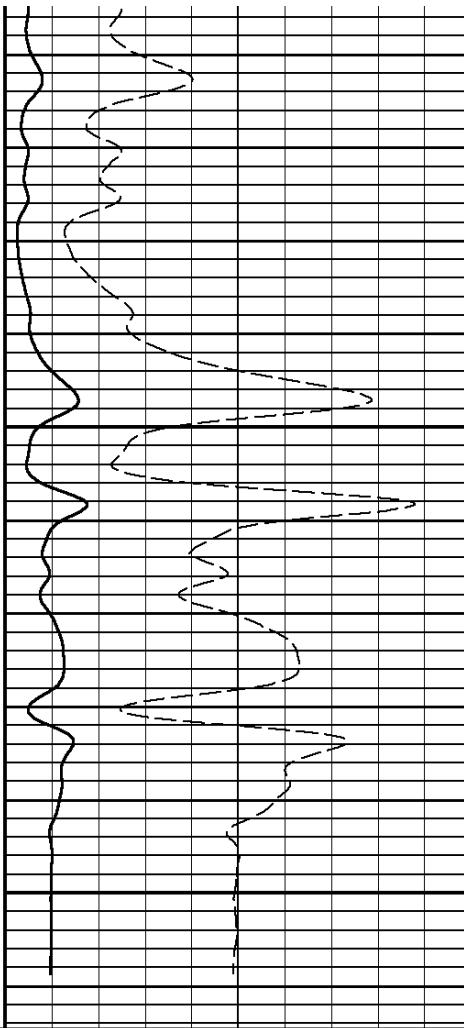
153120 CBLREPEATF

FINISH DEPTH: 5181.1 Feet DIRECTION: UP DATE: 12/26/2008 TIME: 21:02 MODE: ORIGINAL





5400



TRAVEL TIME 3FT			Tension		AMPLITUDE 3FT		VARIABLE DENSITY 5FT			
310	Microseconds	210			0	Millivolts	100	200	Microseconds	1200
Gamma Ray					AMPLITUDE 3FT X5		FREE PIPE GATE			
0	API	150			0	Millivolts	20	200	Microseconds	1200
Collar Locator							FREE PIPE GATE			
-8000	Millivolts	880					200	Microseconds	1200	

START DEPTH: 5414.7 DIRECTION: UP DATE: 12/26/2008 TIME: 21:02 MODE: ORIGINAL

153120 CBLREPEATF

REPEAT PASS

DEPTH SCALE: 5":100'

VERSION: 80214133R"

12/26/08

20:00

1164.7 F

Ver 80214133R

Job 153112

Sector Bond After Calibration

Tool Type SBT-AA

Serial No

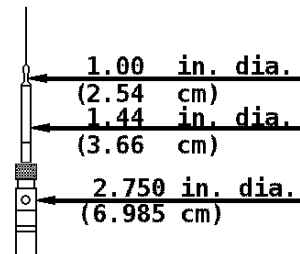
28345

Sensor	Description	Standard	Measured
AMP 3FT	ZERO	1.00	8.50
	PLUS	81.00	1302.85
AMP 5FT	ZERO	0.00	6.44
	PLUS	100.00	1765.65
1 SECTOR AMP	ZERO	5.00	251.91
	PLUS	95.00	1646.06
2 SECTOR AMP	ZERO	5.00	297.59
	PLUS	95.00	1681.33
3 SECTOR AMP	ZERO	5.00	45.98
	PLUS	95.00	1614.24
4 SECTOR AMP	ZERO	5.00	96.31
	PLUS	95.00	1308.63
5 SECTOR AMP	ZERO	5.00	59.61
	PLUS	95.00	1245.25
6 SECTOR AMP	ZERO	5.00	27.72
	PLUS	95.00	1163.45
7 SECTOR AMP	ZERO	5.00	154.25
	PLUS	95.00	1169.64
8 SECTOR AMP	ZERO	5.00	269.96
	PLUS	95.00	1126.40

1 7/16 Adapter Head

Weight 2.2 LB.
Length 12 IN.
Max. Diameter 1.44 IN.

Total Stack Weight 223.0 LBS. in air
Total Stack Length 27.83 FT.



Collar Locator

Weight 39.8 LBS.
Length 3.40 FT.
Max. Diameter 2.75 IN.

Slim Hole Centralizer

Weight 15 lbs
Length 2.49 FT.
Max. Diameter 2.750 IN.

Slim Hole Gamma Ray

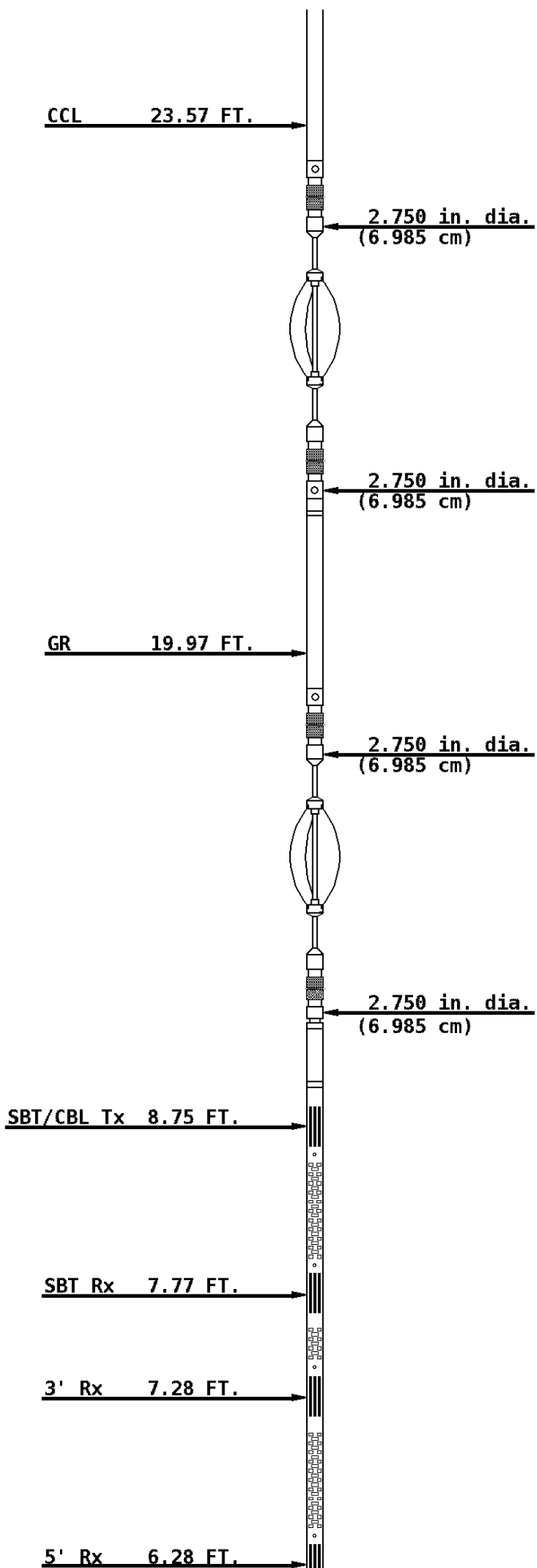
Weight 39.8 LBS.
Length 4.71 FT.
Max. Diameter 2.750 IN.

Slim Hole Centralizer

Weight 22 LBS.
Length 3.08 FT.
Max. Diameter 2.750 IN.

Sector Bond

Weight 89.2 LBS.
Length 10.32 FT.
Max. Diameter 2.750 IN.



Slim Hole Centralizer

Weight 15.0 LBS.
Length 2.82 FT.
Max. Diameter 2.750 IN.

Tool Zero

2.750 in. dia.
(6.985 cm)

COMPANY ENCANA OIL & GAS

WELL ENCANA - 6A

FIELD MAMM CREEK

COUNTY GARFIELD

STATE COLORADO



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