



Weatherford

SECTOR BOND LOG

COMPANY SANDRIDGE ENERG
WELL BUERKLKE 2133 1-7
FIELD BUERKLE
CNTY FINNEY STATE KS

COMPANY SANDRIDGE ENERGY
WELL BUERKLE 2133 1-7
FIELD BUERKLE
COUNTY FINNEY
STATE KANSAS

LOCATION:
350' FNL & 661' FEL
SEC. 7 TWP. 21S RGE. 33W

OTHER SERVICES:
PND
CRANE

PERM. DATUM GROUND LEVEL ELEV. 2922
LOG MEASURED FROM 20 FT. ABOVE PERMANENT DATUM ELEV.: K.B. 2942
D.R. 2922
D.F.
G.L. 2922
DRILLING MEASURED FROM KELLY BUSHING

DATE	16 APR 2013							
DEPTH DRILLER	ONE							
DEPTH LOGGER	5411							
BIT. LOG INTERVAL	5290							
TOP LOG INTERVAL	2800							
OPEN HOLE SIZE	8.75"							
TYPE FLUID	WATER							
DENS.	VISC. -----							
MAX. REC. TEMP.	F NA							
EST. CEMENT TOP	3090							
TIME WELL READY	1130							
TIME LOGGER ON BIT.	1215							
EQUIP. NO.	14058							
LOCATION	LIBERAL							
RECORDED BY	FRANK MAYERS							
WITNESSED BY	MR. JASON MARTIN							
BOREHOLE RECORD								
RUN NO.	BIT FROM	TO	SIZE	WGT.	FROM	TO		
ONE	12.25	SURF	1835					
TWO	8.75	1835	5510					
CASTING RECORD			SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM
SURFACE STRING			9.625	36	J55	ST&C	SURF	1835
PROT. STRING								
PROD. STRING			7.0	23	J55	LT&C	SURF	5408
LINER								

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: WEATHERFORD CRANE 15053 Service Order # 200165

FLUID LEVEL AT SURFACE BHT NA °F

LOGGED WITH 0 PSI AT SURFACE

SUBTRACTED 8 FT TO CORRELATE TO HALLIBURTON POROSITY LOG

Prints: X

EQUIPMENT DATA				
Bit Size	Run No.	Tool Type	Tool No.	Other
Well Status	ONE	CCL/TELE	CTBA 265	
Surface Pressure		GAMMA RAY	GRBA309	
Shut In	Flowing	CENTRALIZER		
		BOND	SBTA227	
		CENTRALIZER		

REMARKS

LOGGED WITH 0 PSI AT SURFACE

DEPTH SCALE: 5":100'

PROCESSED VERSION: 2012.07.18.162"

MAIN PASS

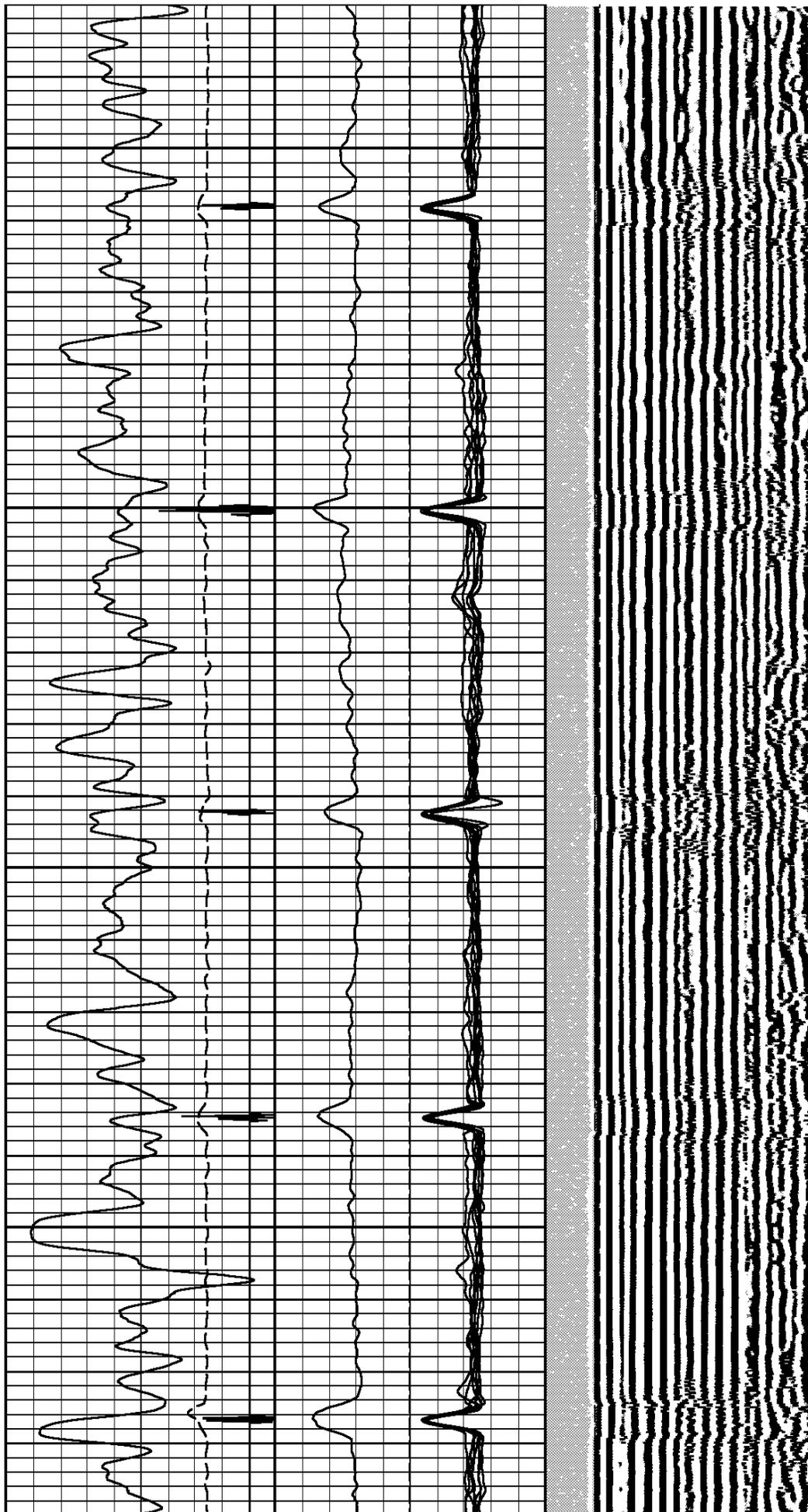
200160 main

FINISH DEPTH: 2786.2 Feet DIRECTION: UP DATE: 04/16/2013 TIME: 13:16 MODE: ORIGINAL
 RECOMPUTED DATE: 04/16/2013 TIME: 13:41

				SECTOR #8										
				-5 mv 200										
				SECTOR #7										
				-5 mv 200										
				SECTOR #6										
				-5 mv 200										
				SECTOR #5										
				-5 mv 200										
				SECTOR #4										
				-5 mv 200										
				SECTOR #3										
				-5 mv 200										
				SECTOR #2										
				-5 mv 200										
				SECTOR #1										
				-5 mv 200										
		Collar Locator				AMP 3FTX5								
		-3000.0	mv	300.0			0	mv	20					
		Gamma Ray				AMP 3FT								
		0	API	150			0	mv	100					
Tension	TRAVEL TIME 3FT		AMP 3FT		SECTOR #1		VARIABLE DENSITY 5FT		VARIABLE ENERGY					
0 1500	420	Microseconds	220	0	mv	100	-5 mv	200	200	Microseconds	1200	0	Millivolts	80

2800

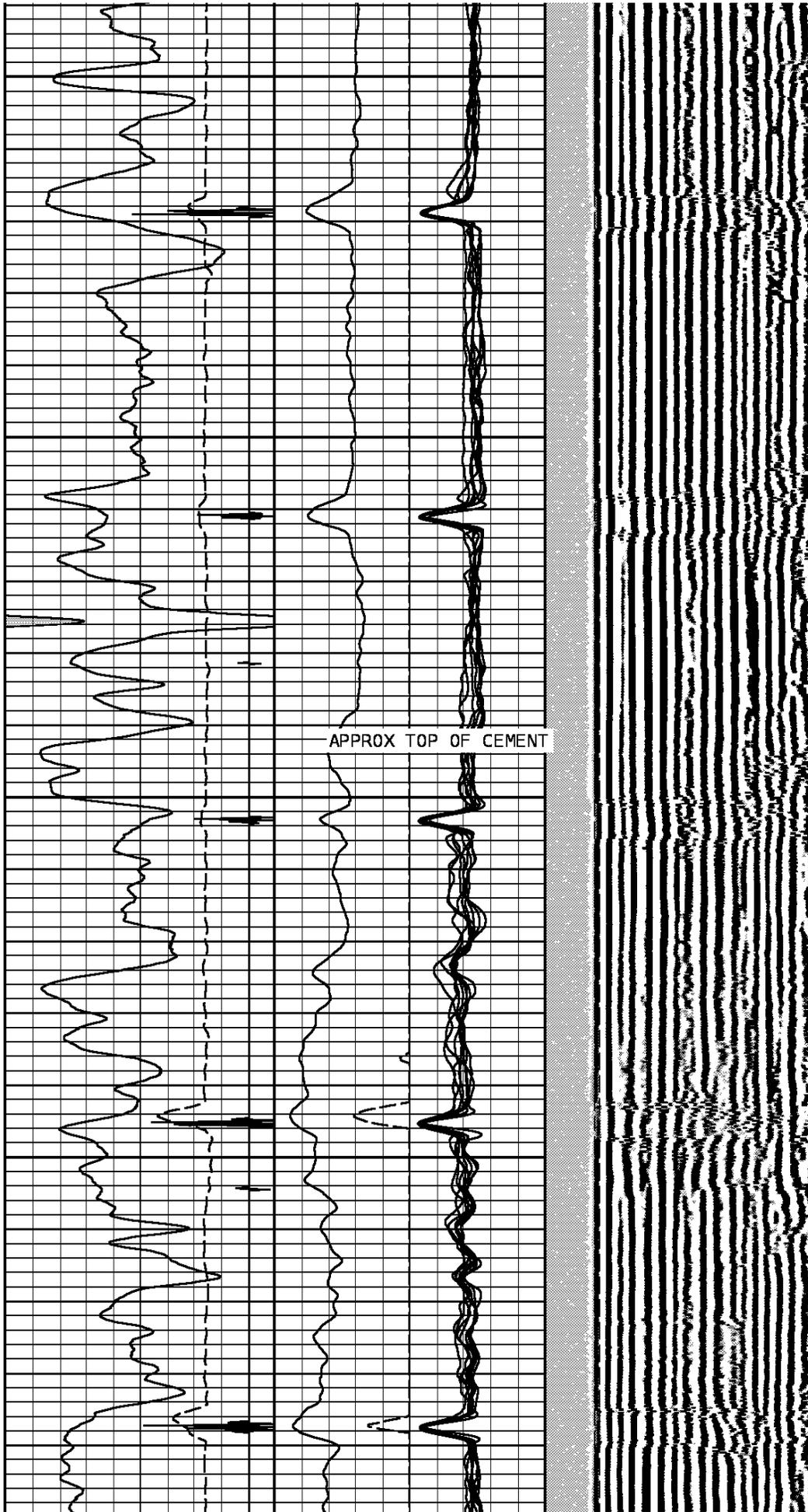
2900



3000

3100

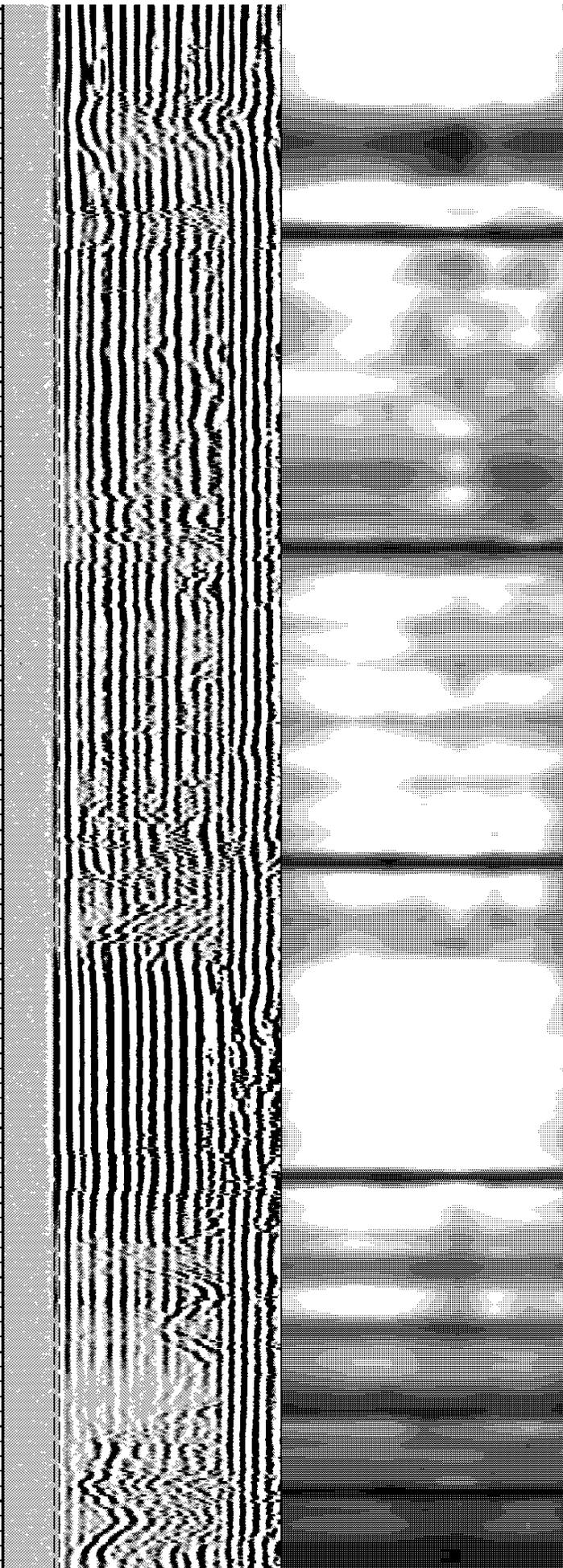
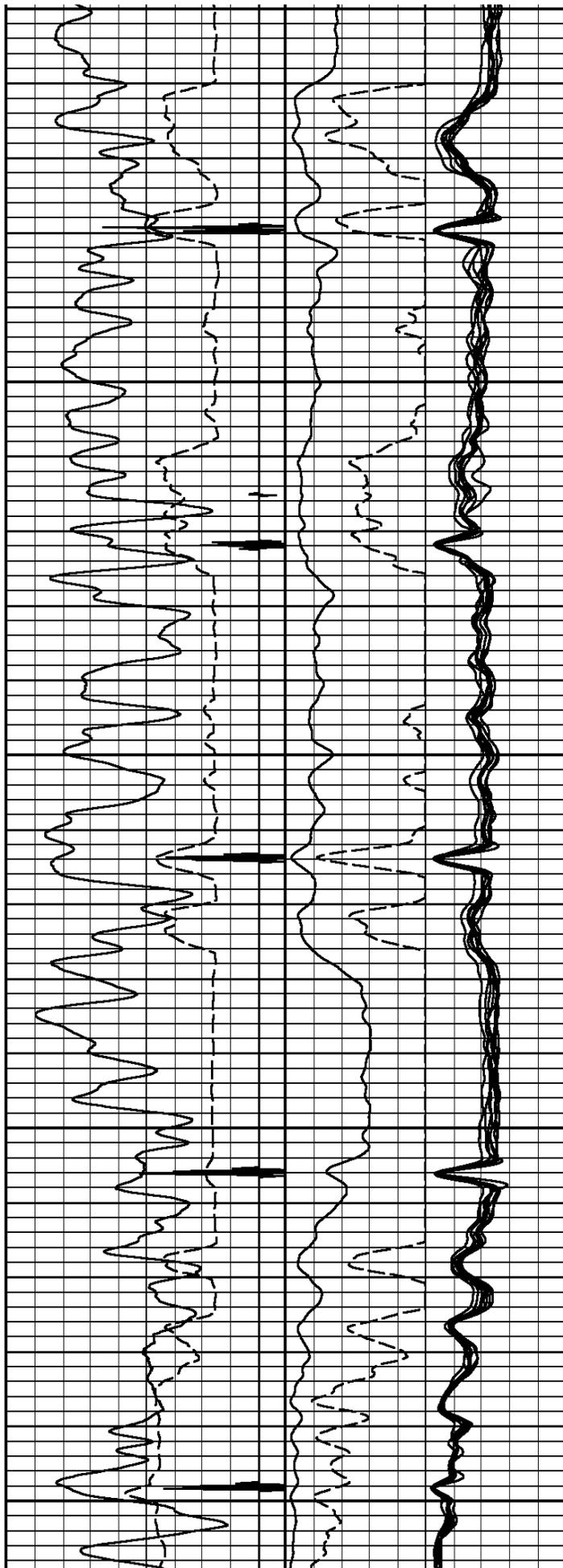
APPROX TOP OF CEMENT



3200

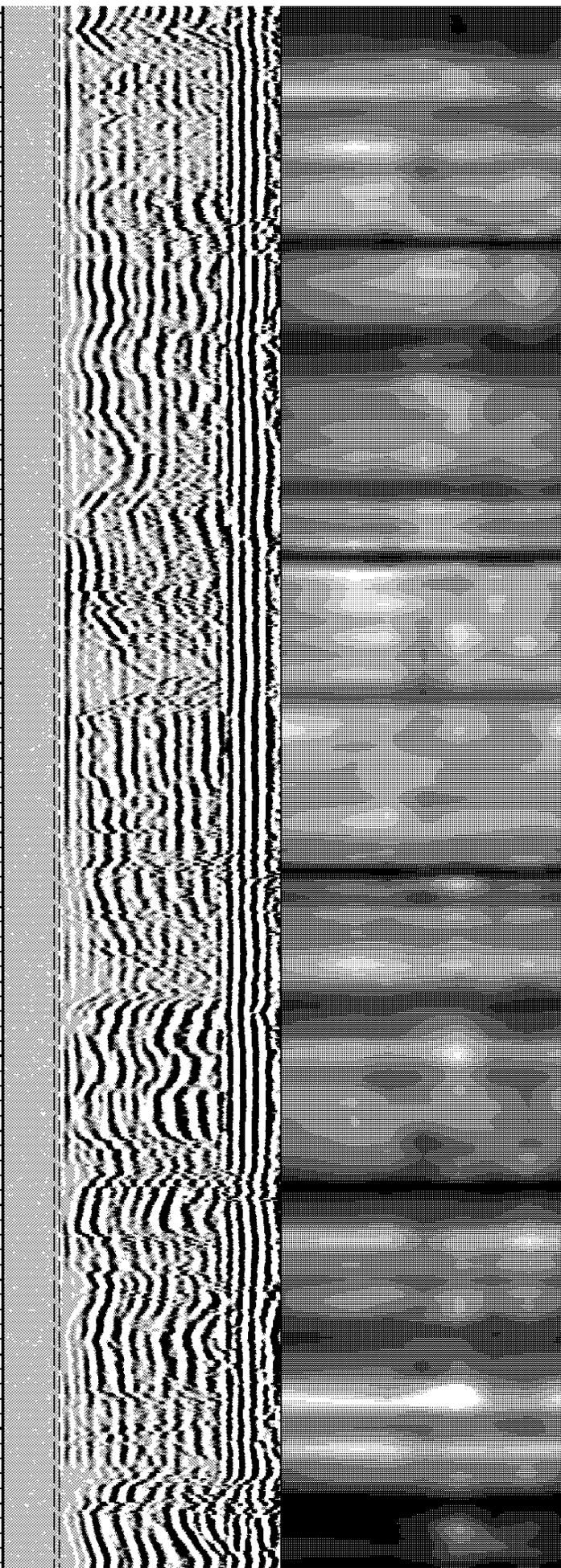
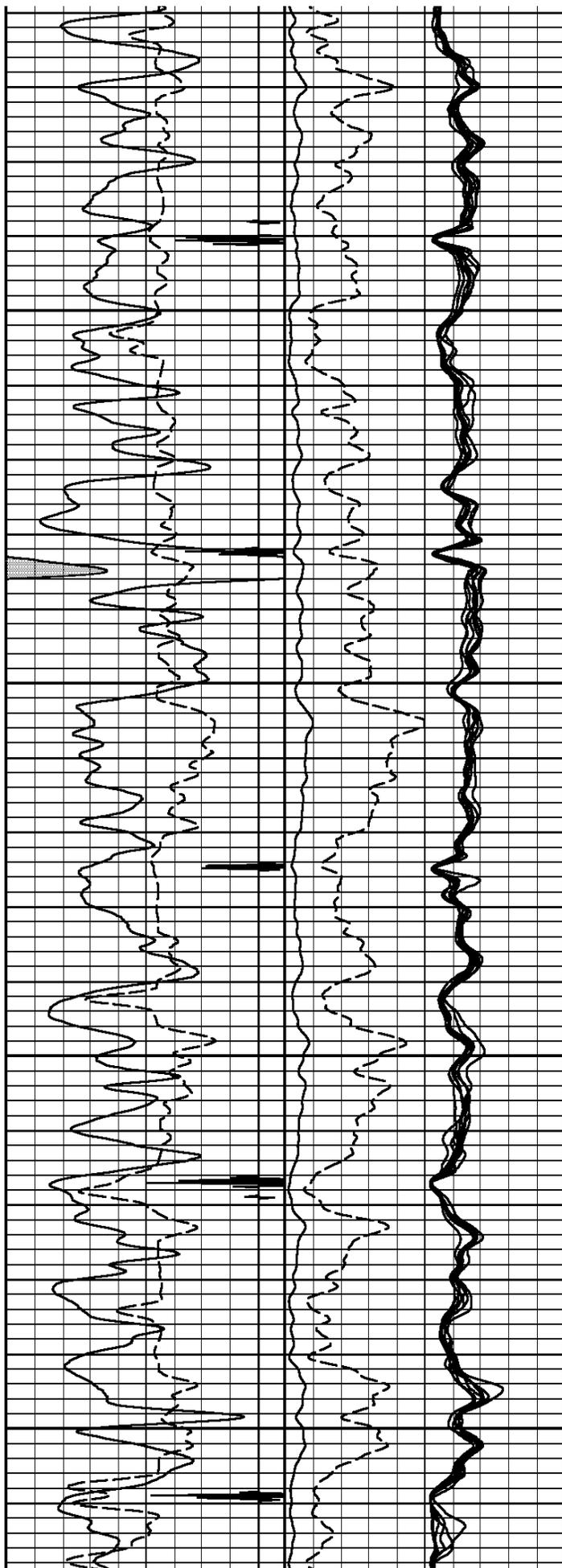
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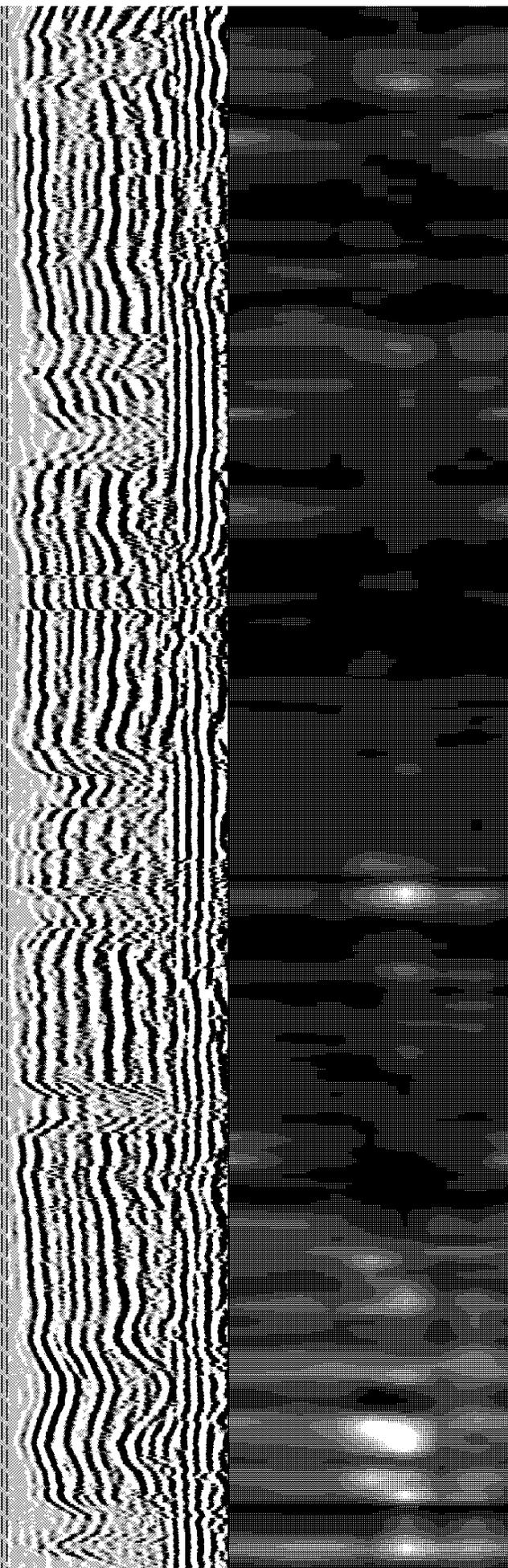
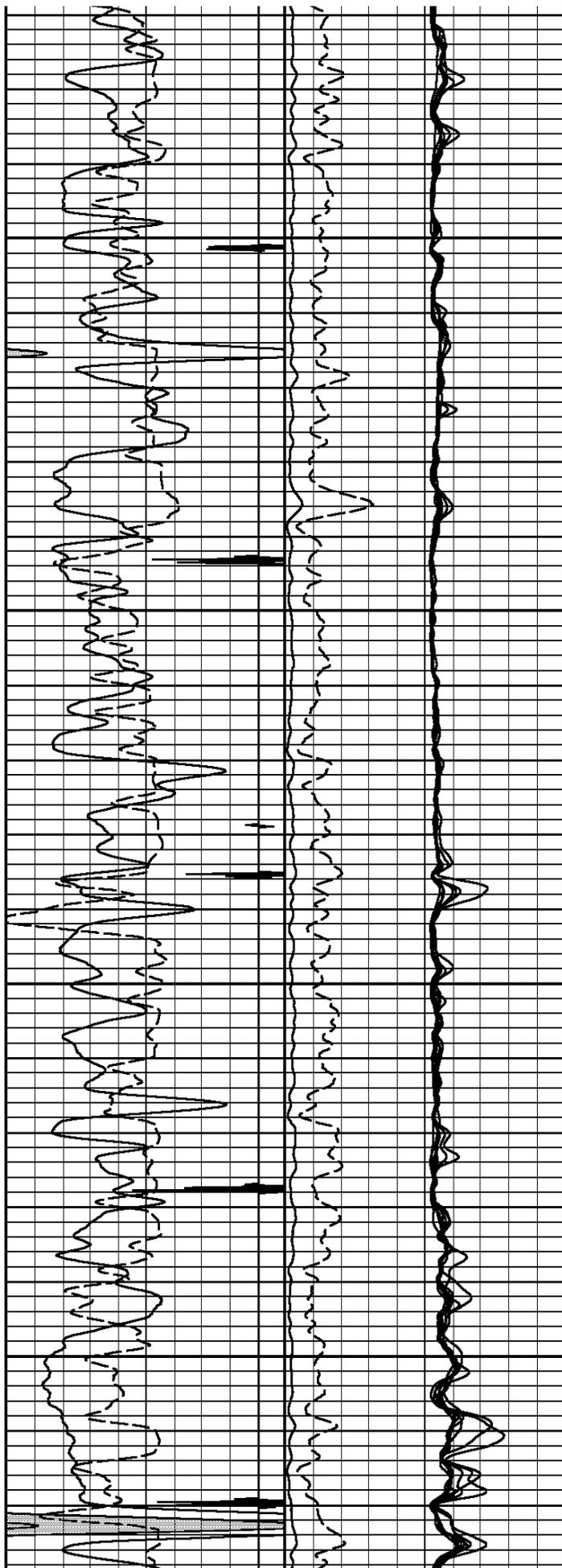
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3600



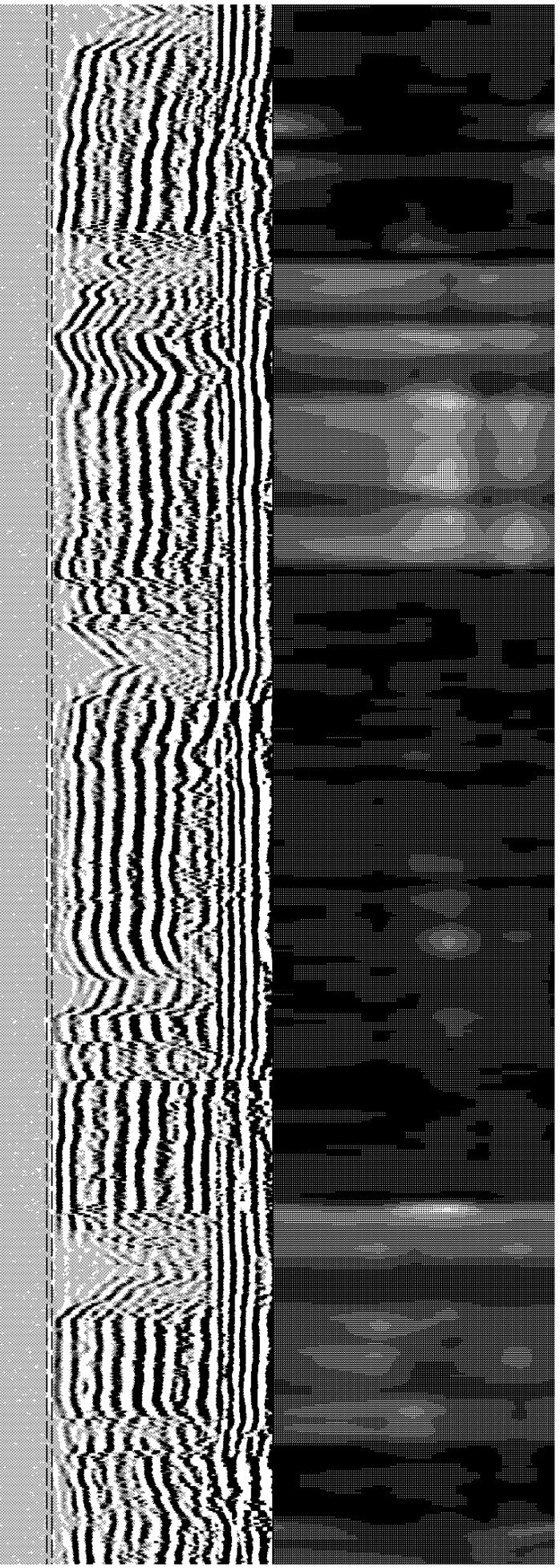
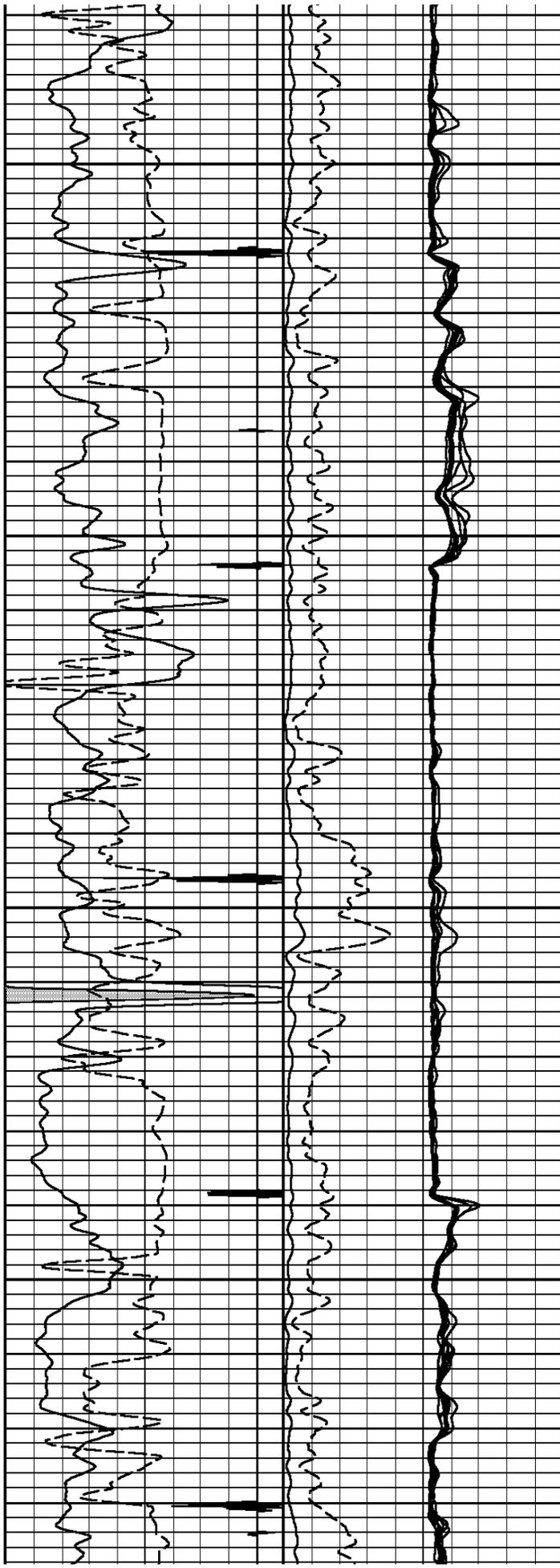
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3800



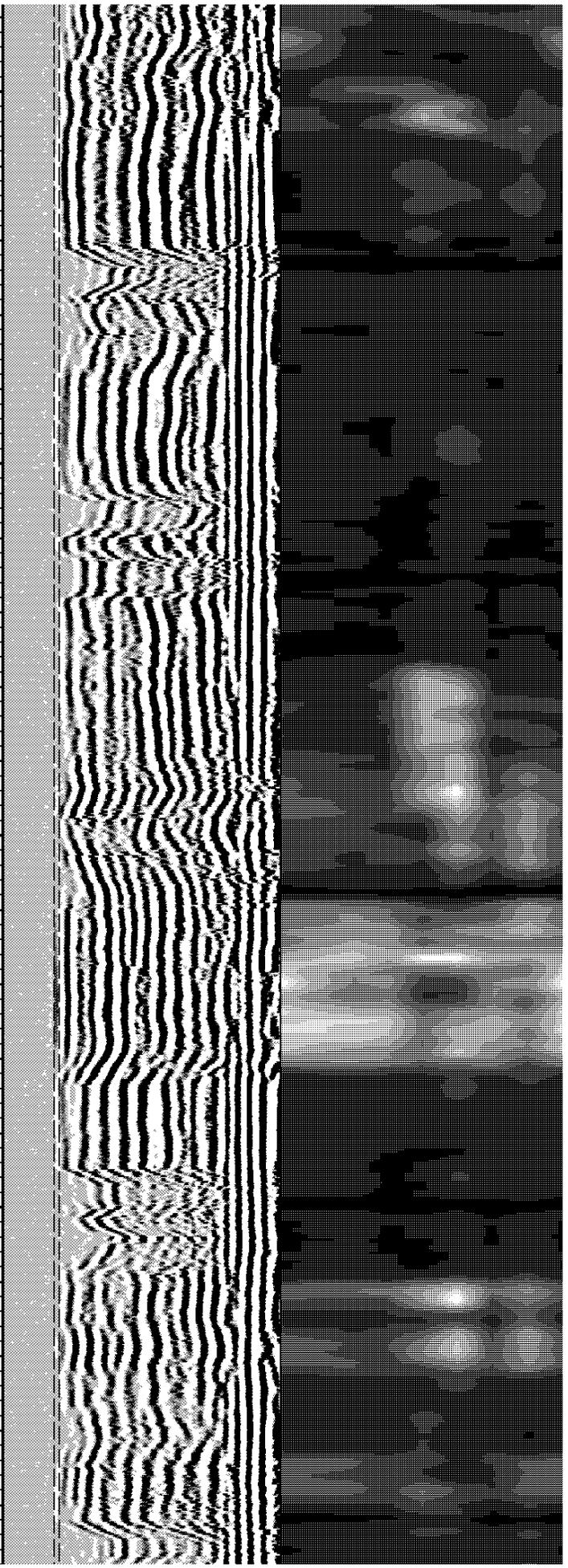
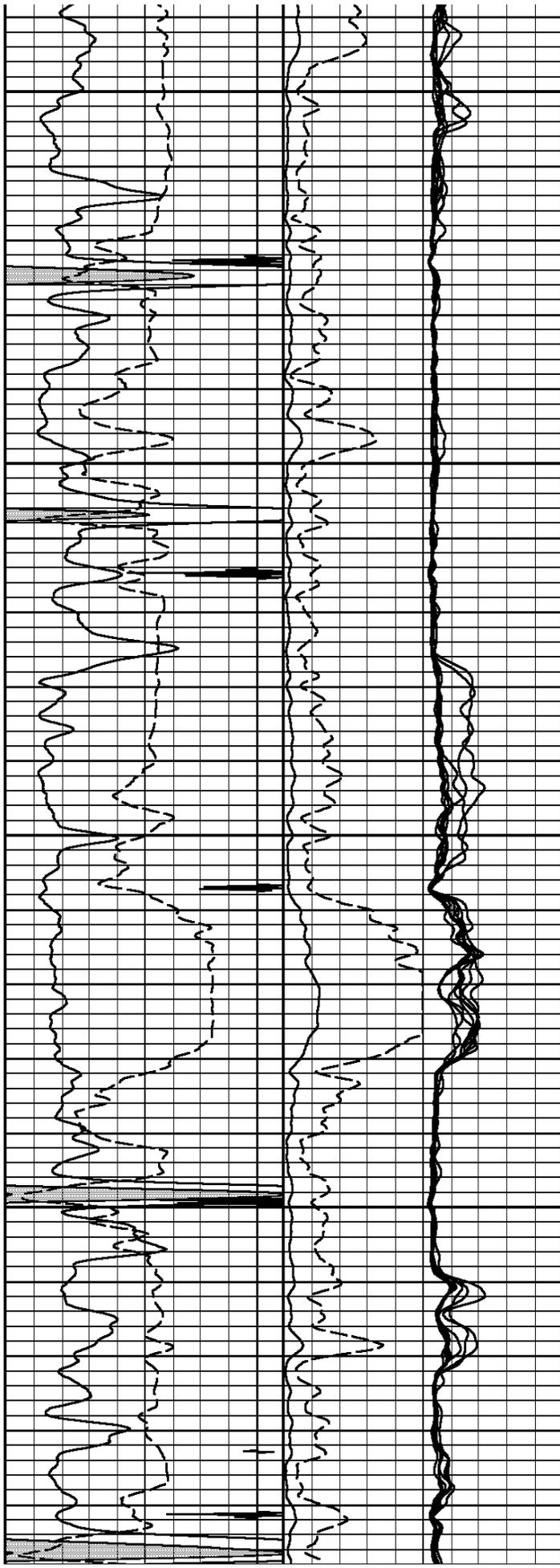
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4000



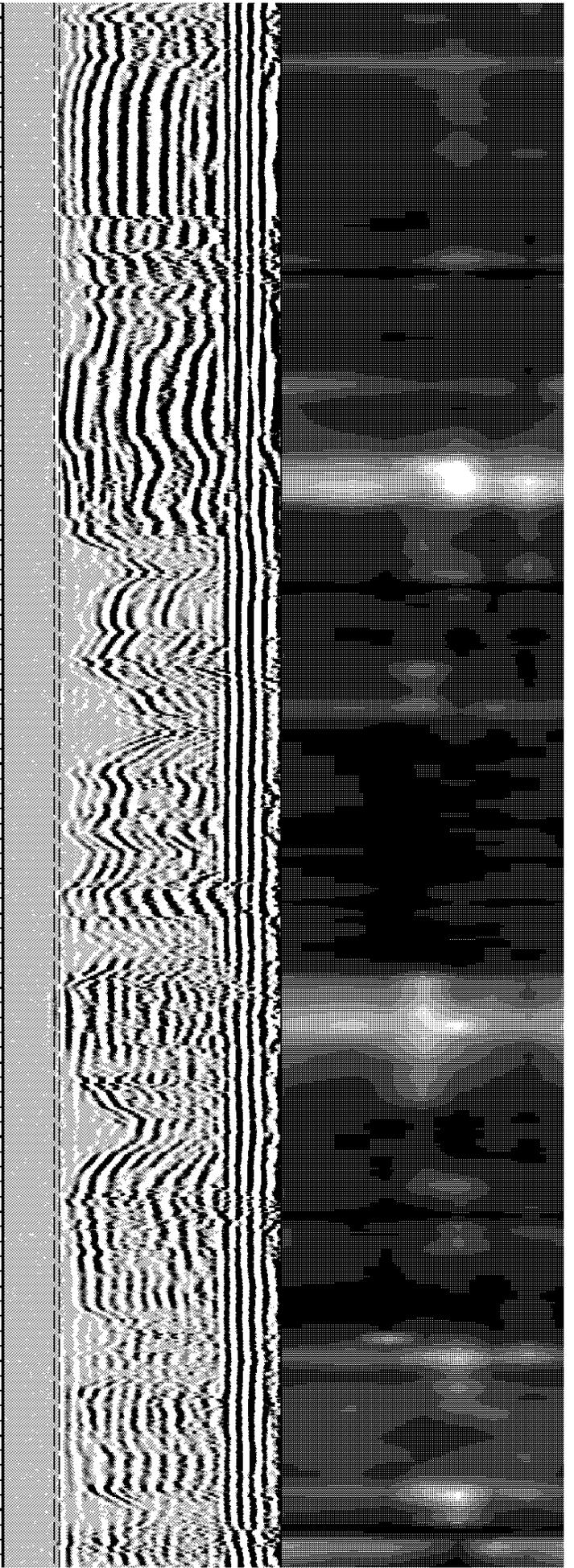
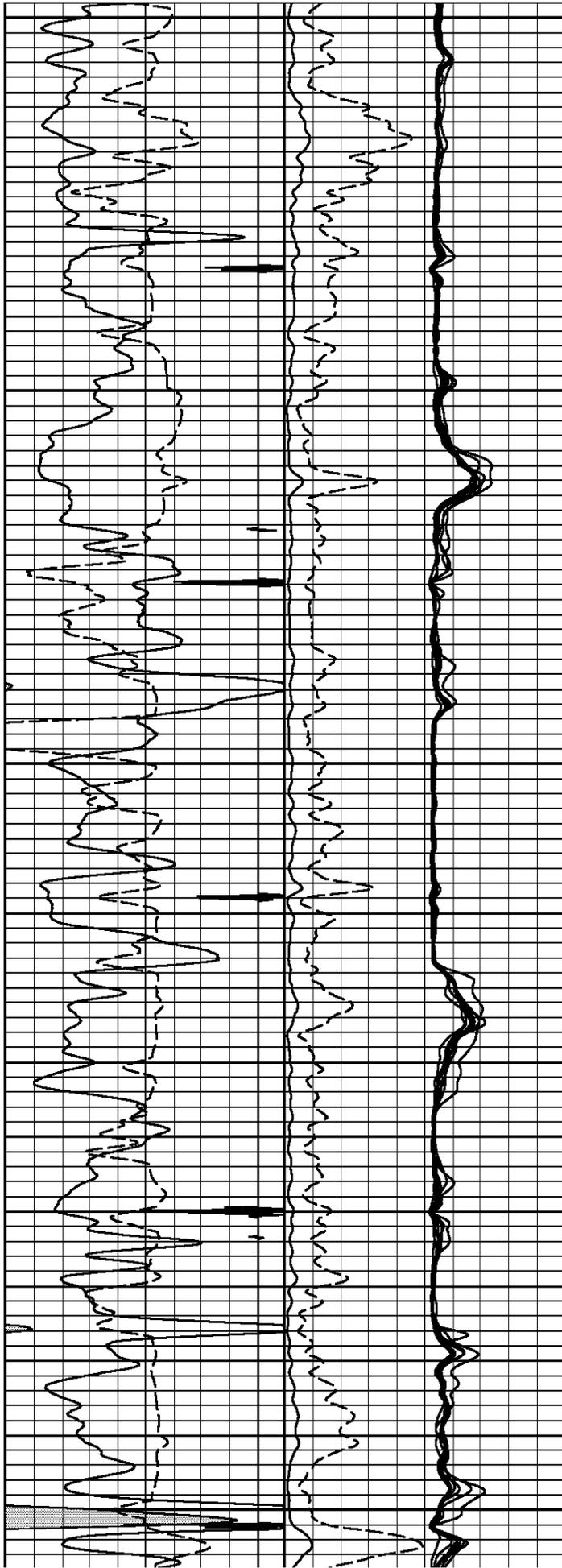
4100

4200



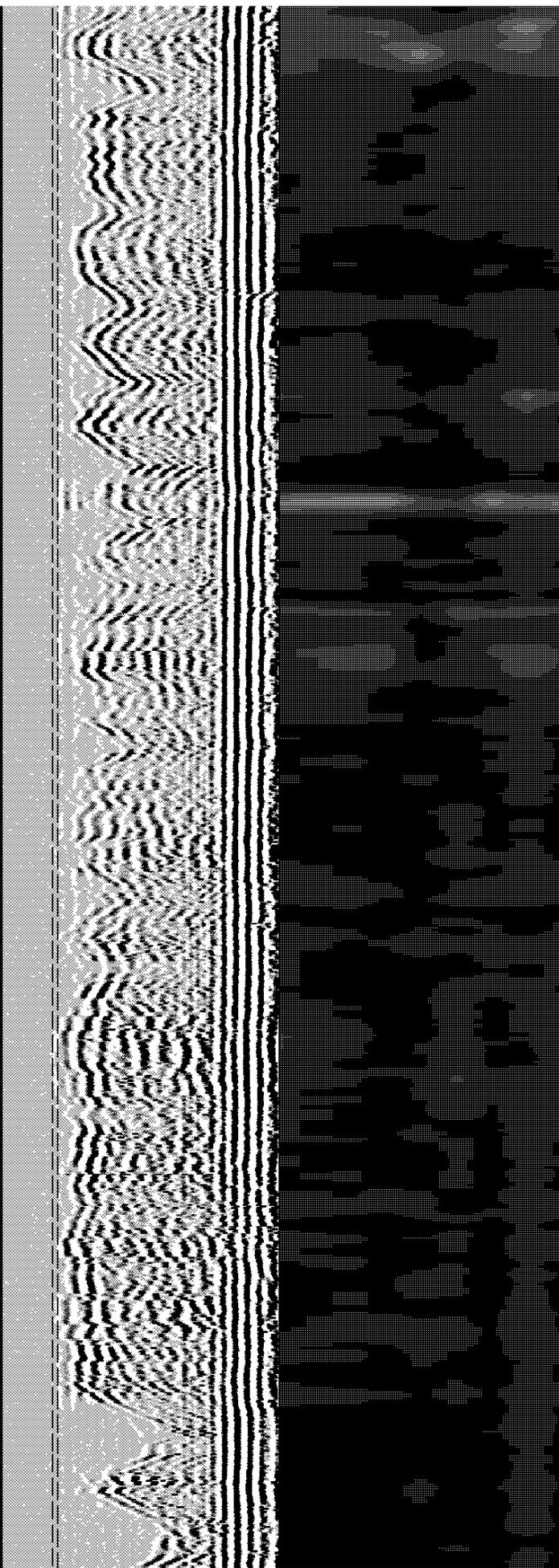
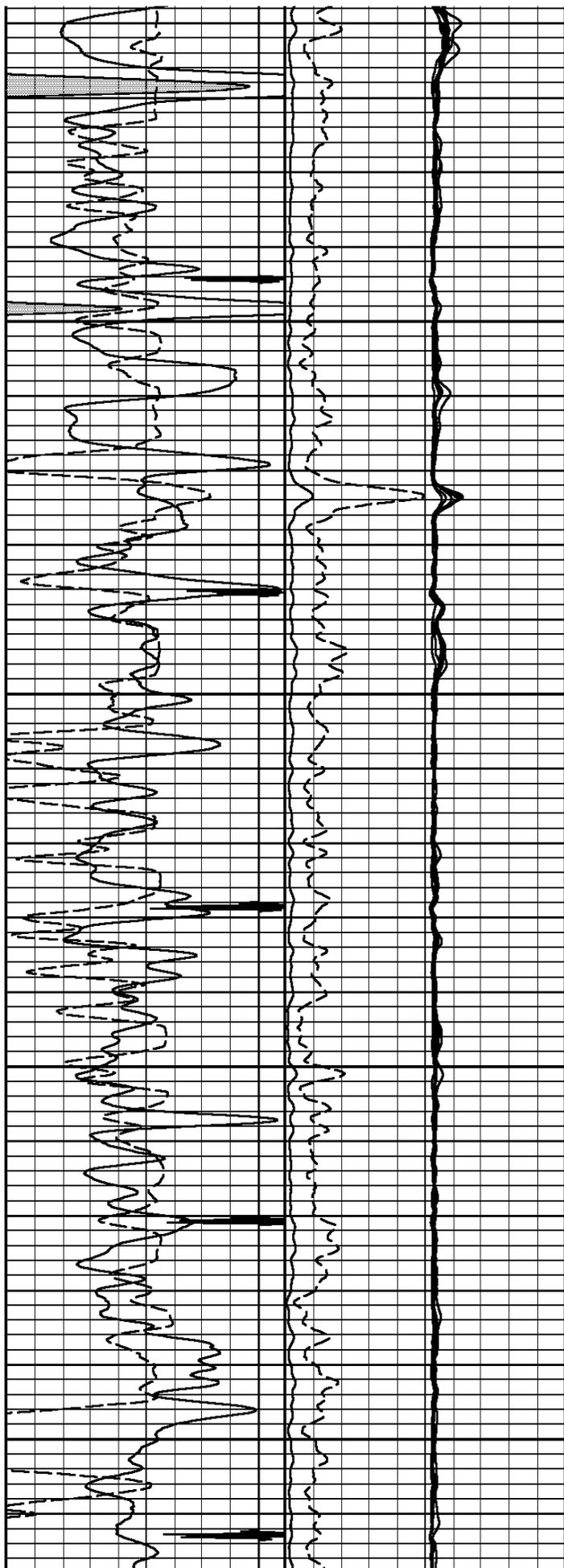
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4400



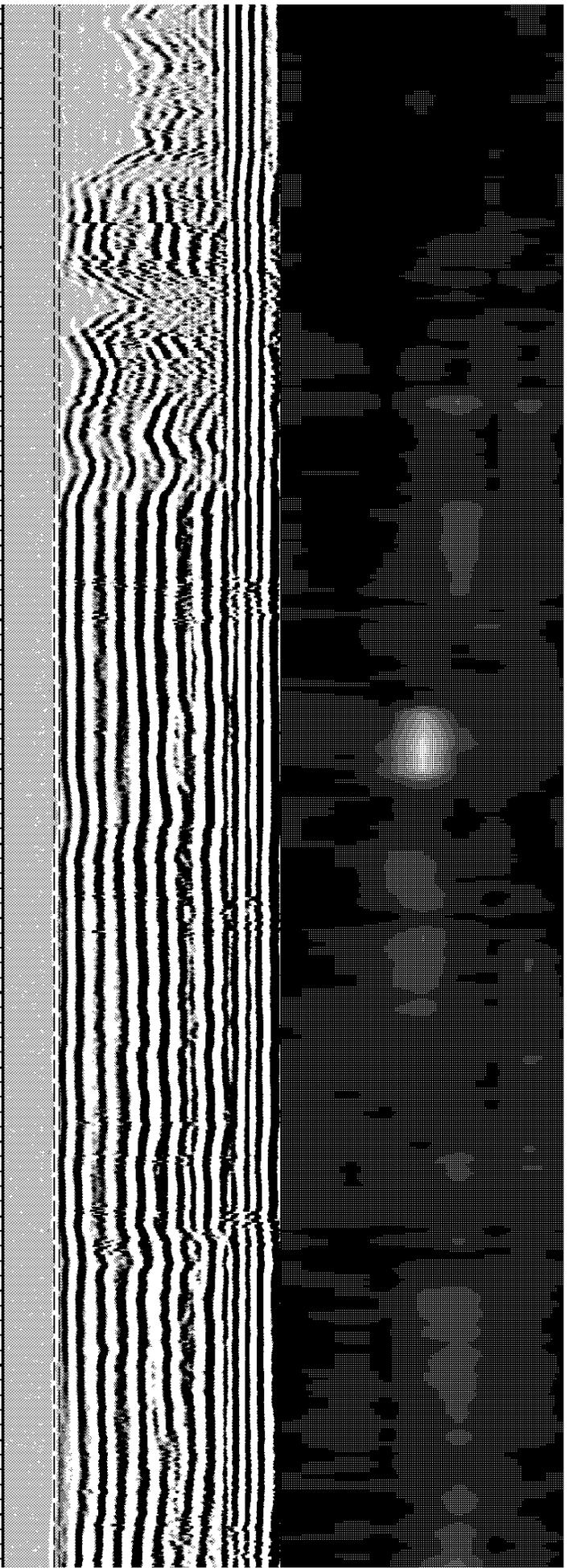
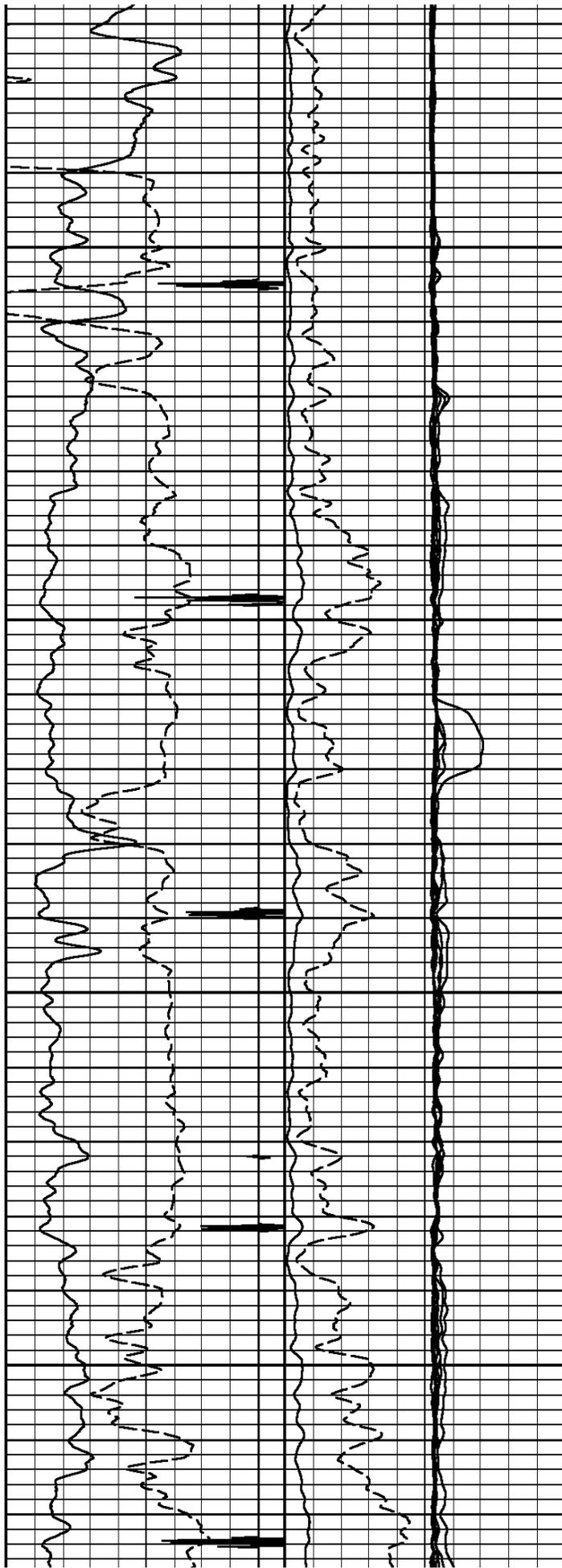
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4600



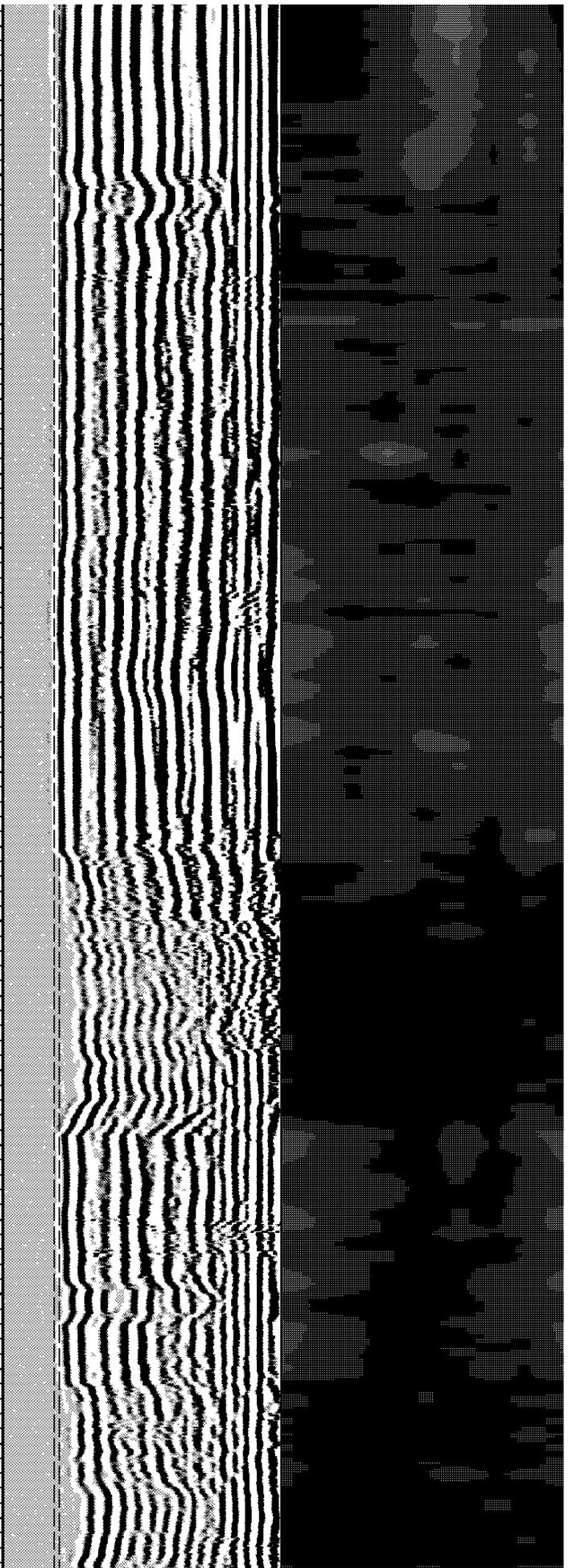
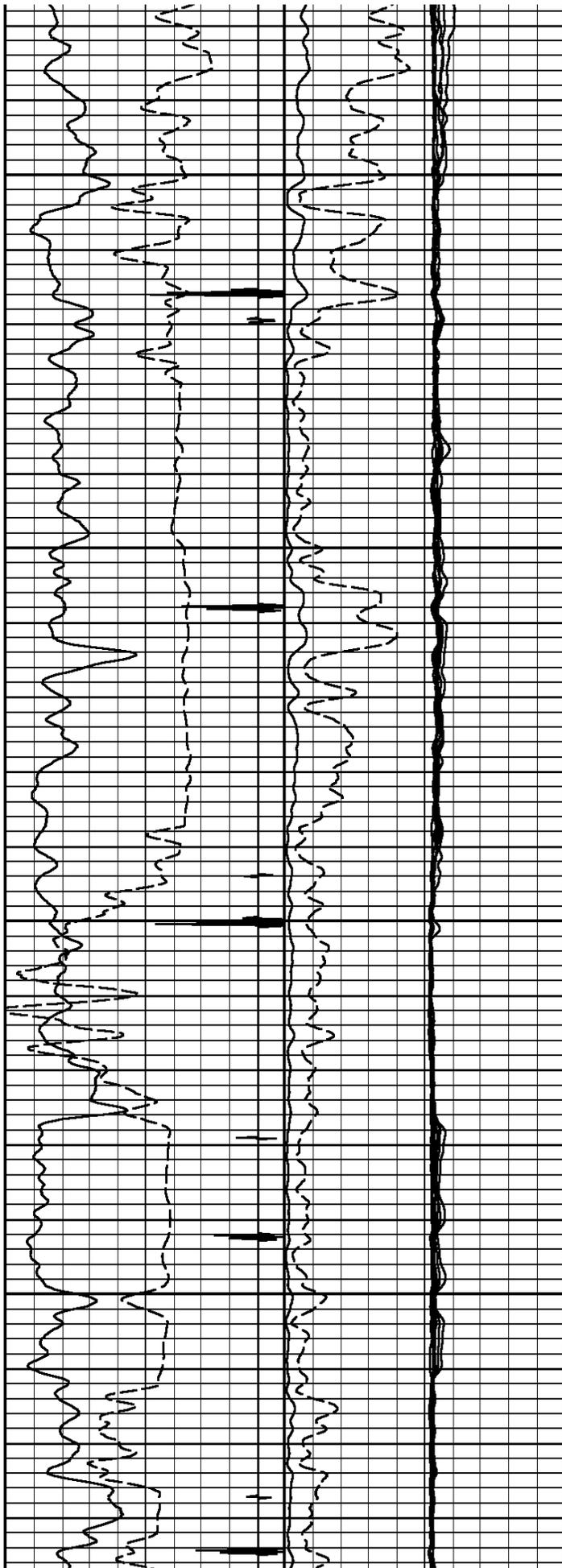
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4800



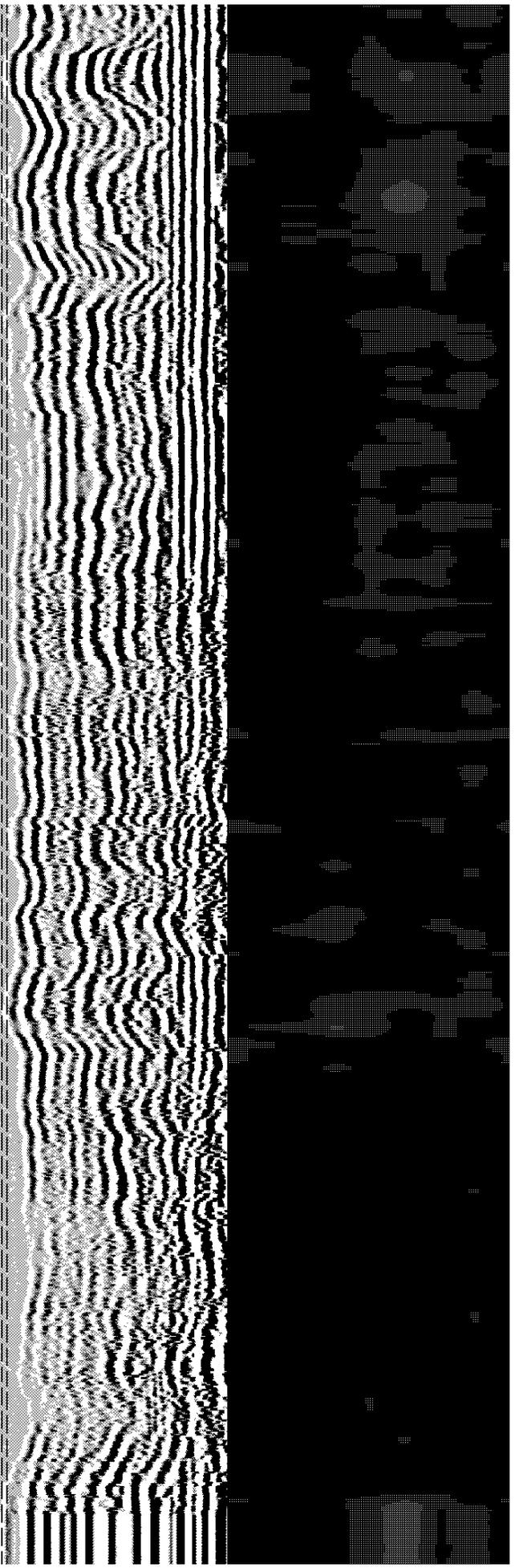
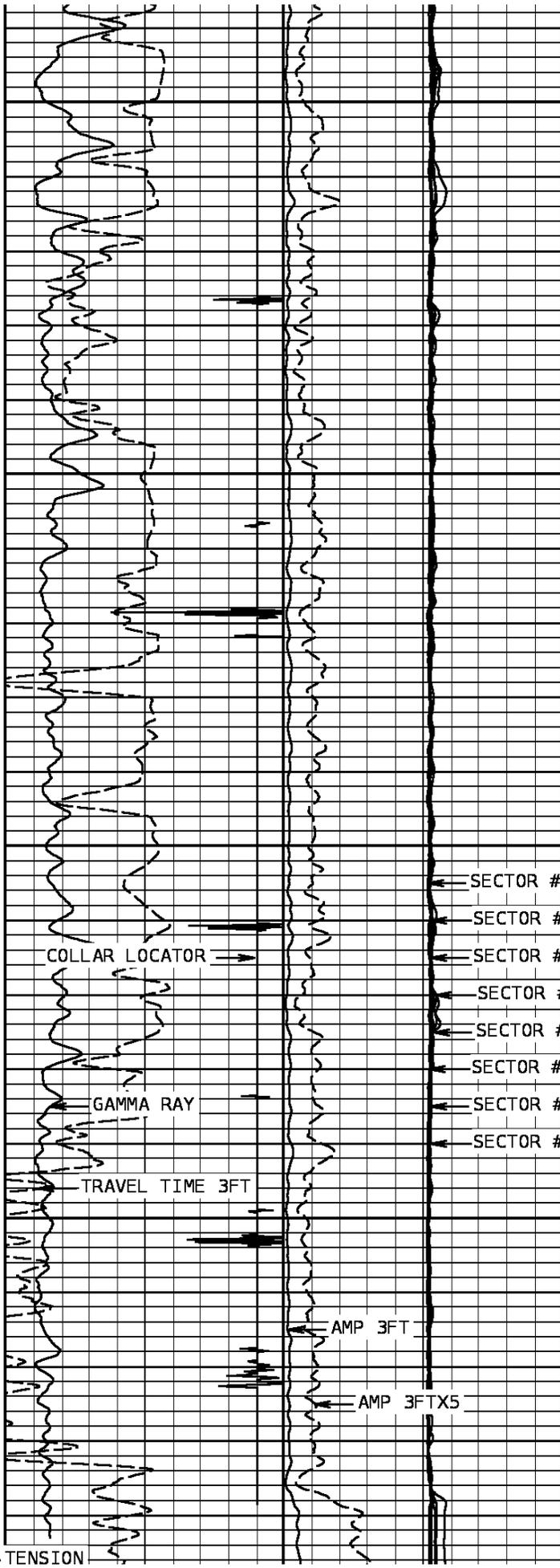
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5000

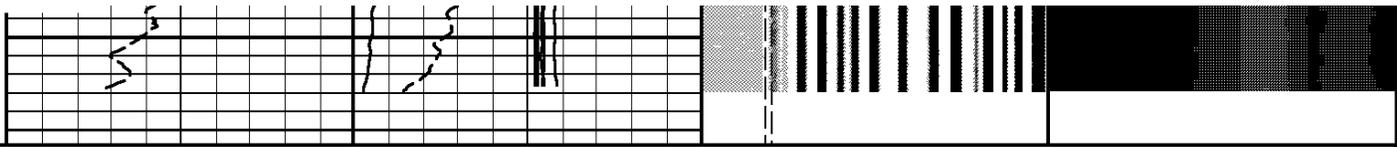


5100

5200



5300



Tension	TRAVEL TIME 3FT	AMP 3FT	SECTOR #1	VARIABLE DENSITY 5FT	VARIABLE ENERGY
0 1500	420 Microseconds 220	0 mv 100	-5 mv 200	200 Microseconds 1200	0 Millivolts 80
	Gamma Ray	AMP 3FTX5	SECTOR #2		
	0 API 150	0 mv 20	-5 mv 200		
	Collar Locator		SECTOR #3		
	-3000.0 mv 300.0		-5 mv 200		
			SECTOR #4		
			-5 mv 200		
			SECTOR #5		
			-5 mv 200		
			SECTOR #6		
			-5 mv 200		
			SECTOR #7		
			-5 mv 200		
			SECTOR #8		
			-5 mv 200		

START DEPTH: 5311.7 DIRECTION: UP DATE: 04/16/2013 TIME: 13:15 MODE: ORIGINAL
 RECOMPUTED DATE: 04/16/2013 TIME: 13:38

200160 main

MAIN PASS

DEPTH SCALE: 5":100'

LOGGED VERSION: 2012.07.18.162"

REMARKS

LOGGED WITH 0 PSI AT SURFACE

DEPTH SCALE: 5":100'

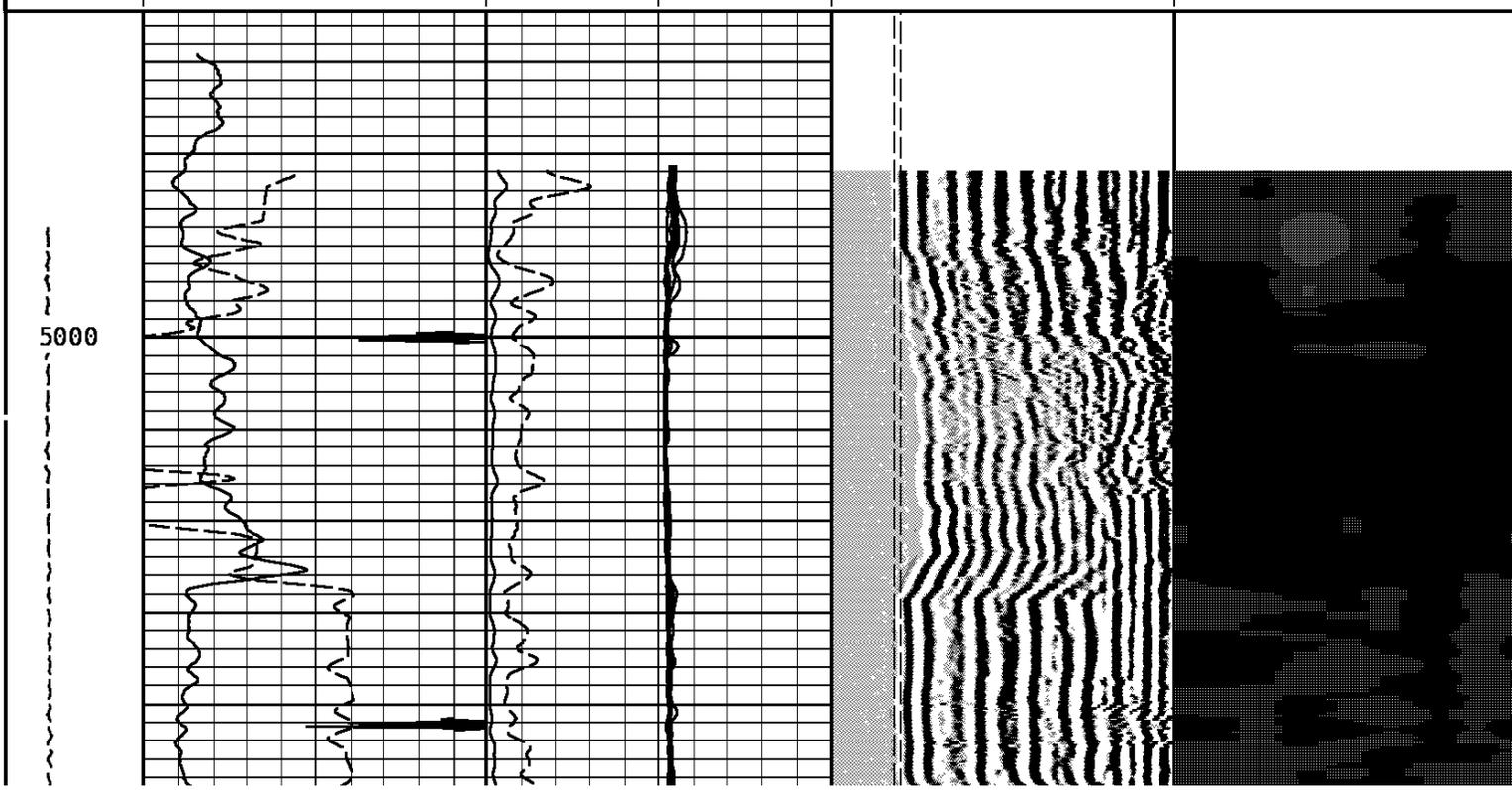
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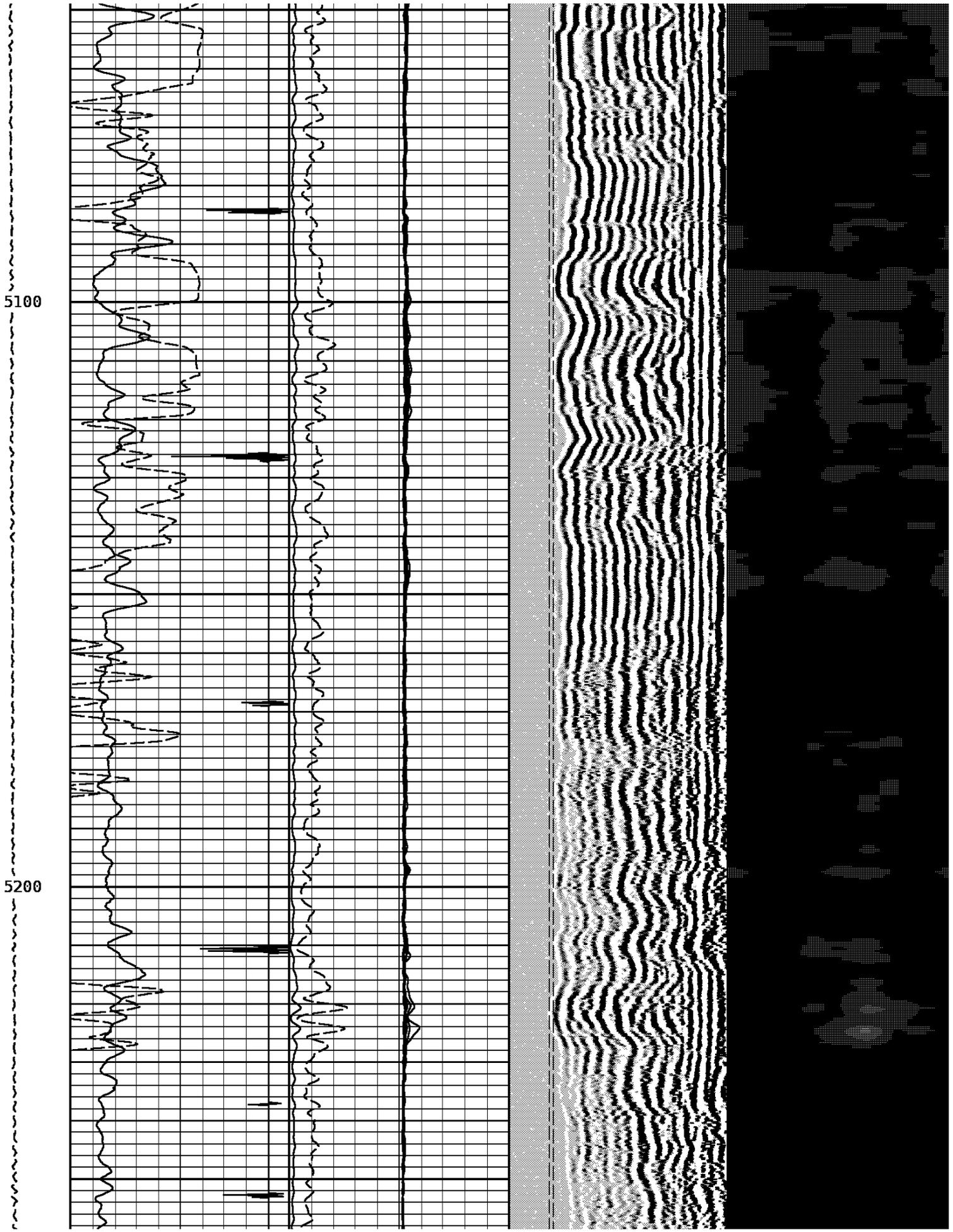
MAIN PASS

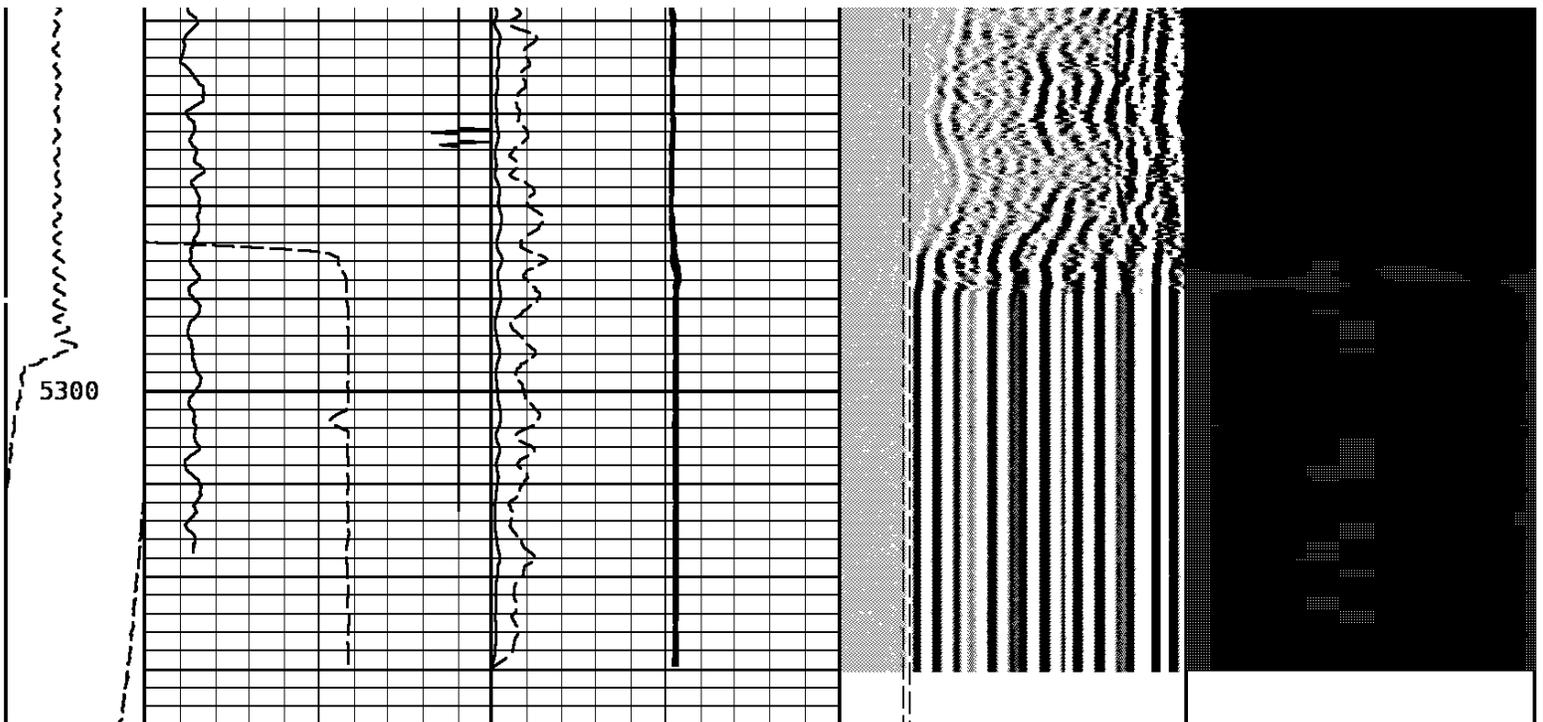
200160 SBLREPEAT

FINISH DEPTH: **4987.8** Feet DIRECTION: **UP** DATE: **04/16/2013** TIME: **13:44** MODE: **ORIGINAL**
 RECOMPUTED DATE: **04/16/2013** TIME: **13:44**

			SECTOR #8		
			-5 mv 200		
			SECTOR #7		
			-5 mv 200		
			SECTOR #6		
			-5 mv 200		
			SECTOR #5		
			-5 mv 200		
			SECTOR #4		
			-5 mv 200		
			SECTOR #3		
			-5 mv 200		
	Collar Locator		SECTOR #2		
	-3000.0 mv 300.0		-5 mv 200		
	Gamma Ray	AMP 3FTX5	SECTOR #1		
	0 API 150	0 mv 20	-5 mv 200		
Tension	TRAVEL TIME 3FT	AMP 3FT		VARIABLE DENSITY 5FT	VARIABLE ENERGY
0 1000	420 Microseconds 220	0 mv 100	-5 mv 200	200 Microseconds 1200	0 Millivolts 80







Tension	TRAVEL TIME 3FT	AMP 3FT	SECTOR #1	VARIABLE DENSITY 5FT	VARIABLE ENERGY
0 1000	420 Microseconds 220	0 mv 100	-5 mv 200	200 Microseconds 1200	0 Millivolts 80
	Gamma Ray	AMP 3FTX5	SECTOR #2		
	0 API 150	0 mv 20	-5 mv 200		
	Collar Locator		SECTOR #3		
	-3000.0 mv 300.0		-5 mv 200		
			SECTOR #4		
			-5 mv 200		
			SECTOR #5		
			-5 mv 200		
			SECTOR #6		
			-5 mv 200		
			SECTOR #7		
			-5 mv 200		
			SECTOR #8		
			-5 mv 200		

START DEPTH: 5336.1 DIRECTION: UP DATE: 04/16/2013 TIME: 13:44 MODE: ORIGINAL
 RECOMPUTED DATE: 04/16/2013 TIME: 13:44

200160 SBLREPEAT

MAIN PASS

1 7/16" Cablehead

Weight 2.2 LB
 Length 1.0 FT
 Max. Diameter 1.44 IN

Total Stack Weight 219.2 LB in air
 Total Stack Length 24.01 FT

Collar Locator

Weight 39.8 lb
 Length 3.40 ft
 Max. Diameter 2.7 in

Slim Hole Gamma Ray

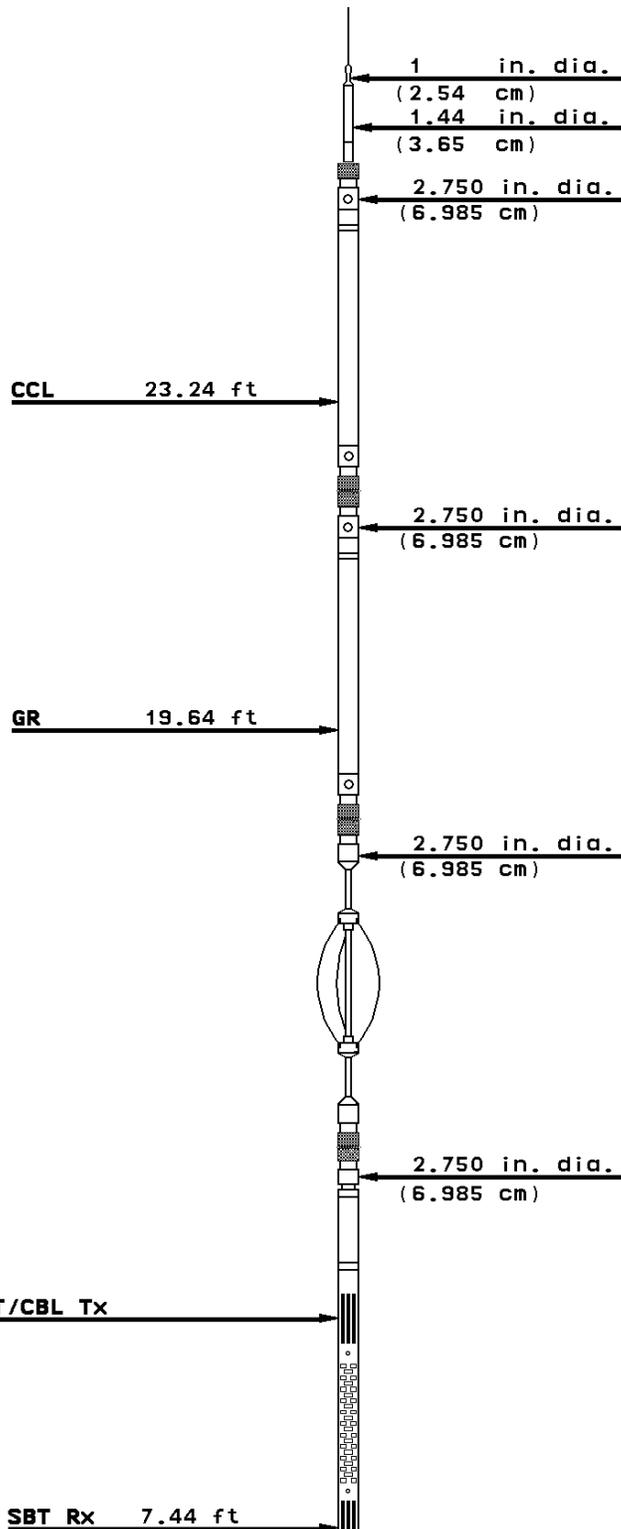
Weight 39.8 lb
 Length 4.71 ft
 Max. Diameter 2.7 in

Slim Hole Centralizer

Weight 23.8 lb
 Length 3.08 ft
 Max. Diameter 2.7 in

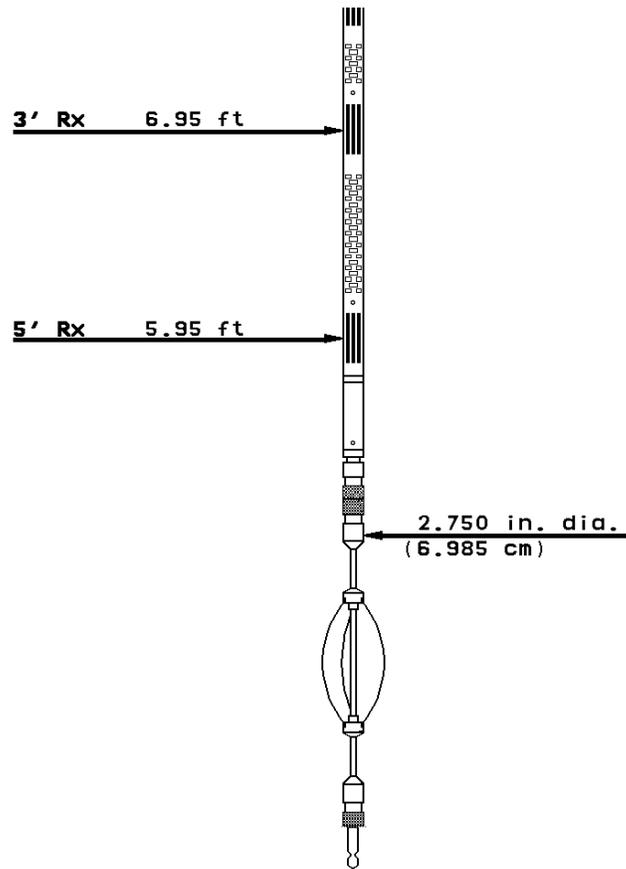
Sector Bond

Weight 89.8 lb
 Length 10.32 ft
 Max. Diameter 2.7 in



Slim Hole Centralizer

Weight 11.9 lb
Length 2.49 ft
Max. Diameter 2.7 in



COMPANY SANDRIDGE ENERGY

WELL BUERKLE 2133 1-7

FIELD BUERKLE

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Weatherford®