



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: CRANE #15045	Service Order # 108854831
LOG WAS CORRELATED TO WEATHERFORD PULSED NEUTRON LOG DATED 19-JAN-2015		BHT 182 °F
ALL LOGGED INTERVALS PER CUSTOMER REQUEST		

Prints: 2

THANK YOU FOR CHOOSING WEATHERFORD WIRELINE SERVICES CASPER, WY

		EQUIPMENT DATA			
Bit Size	7.875	Run No.	Tool Type	Tool No.	Other
Well Status	NEW DRILL	ONE	CENA		
Surface Pressure		ONE	CTBA		
Shut In	Flowing	ONE	GRBA		
		ONE	CENB		
		ONE	SBTA		
		ONE	CENC		

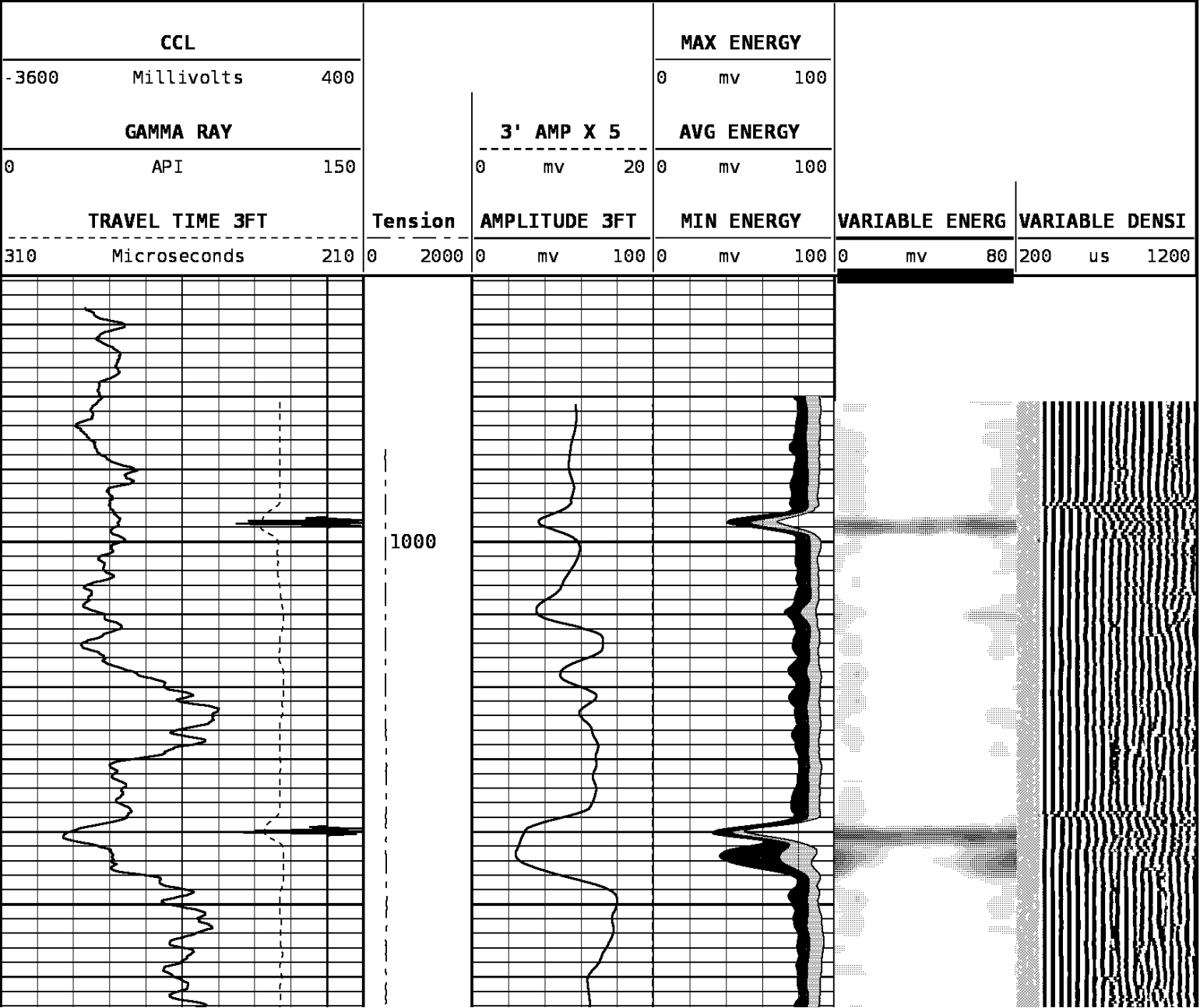
DEPTH SCALE: 5":100'

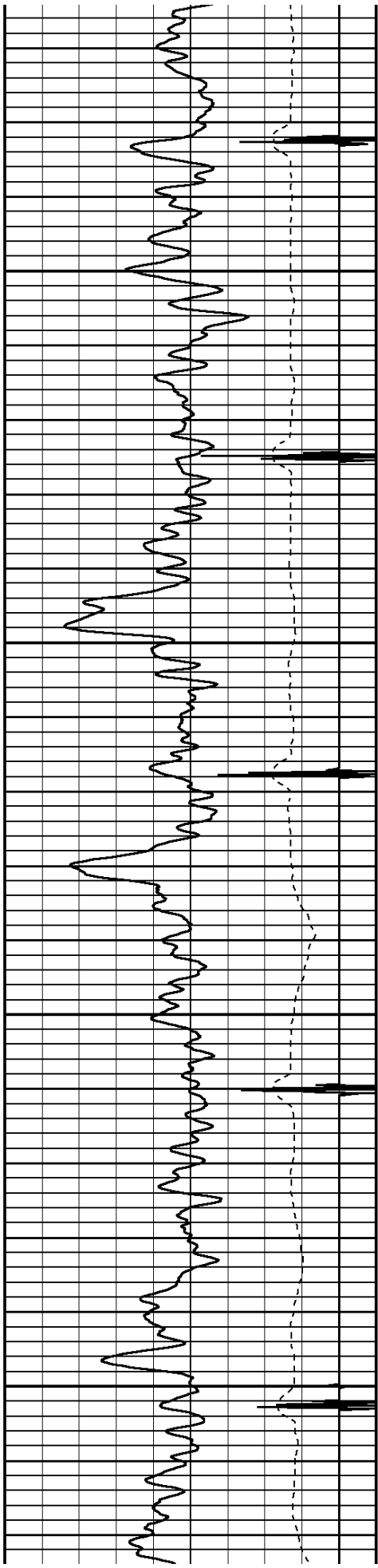
PROCESSED VERSION: 2012.07.18.162"

MAIN PASS

108854831 SBTMAIN

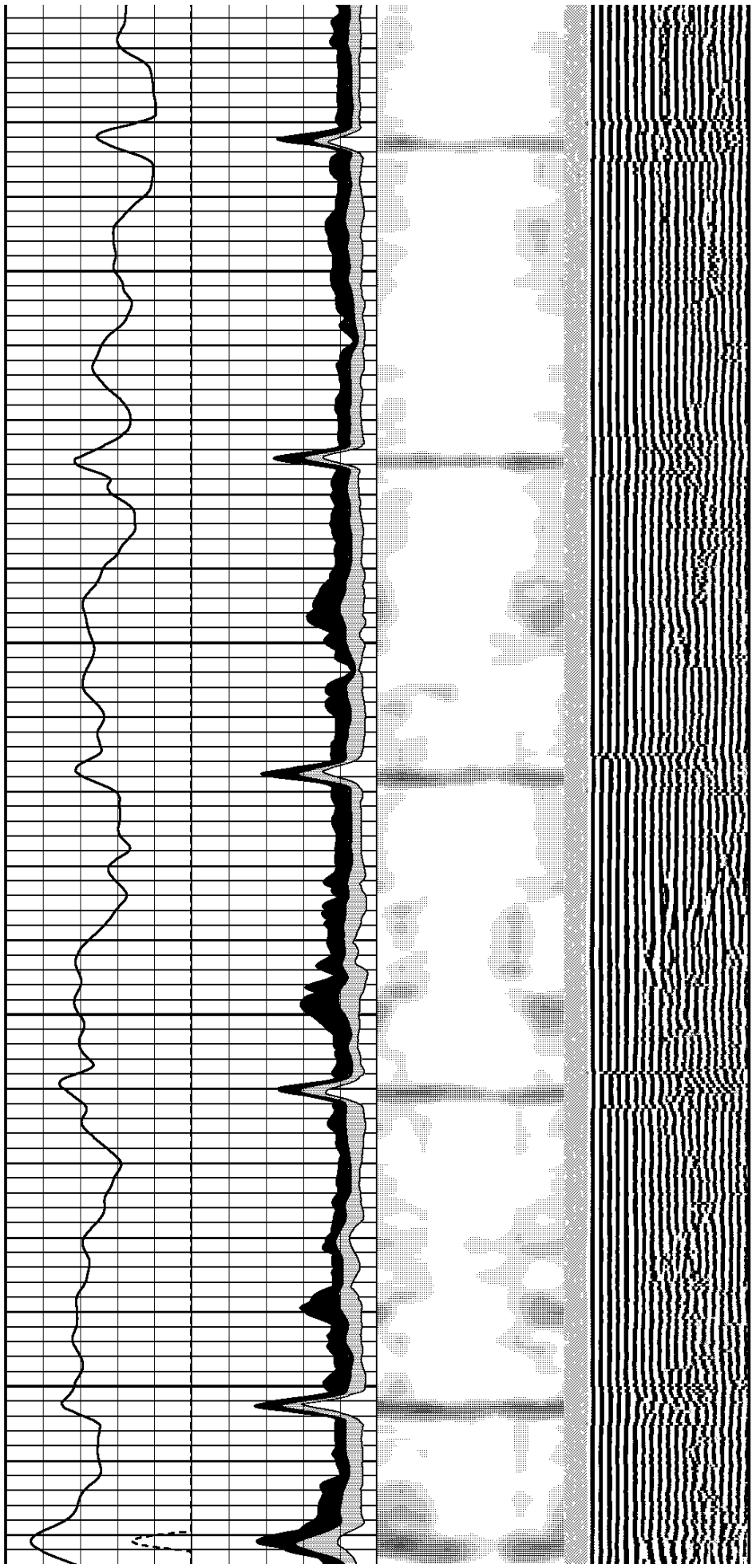
FINISH DEPTH: 963.4 Feet DIRECTION: UP DATE: 01/19/2015 TIME: 23:15 MODE: ORIGINAL

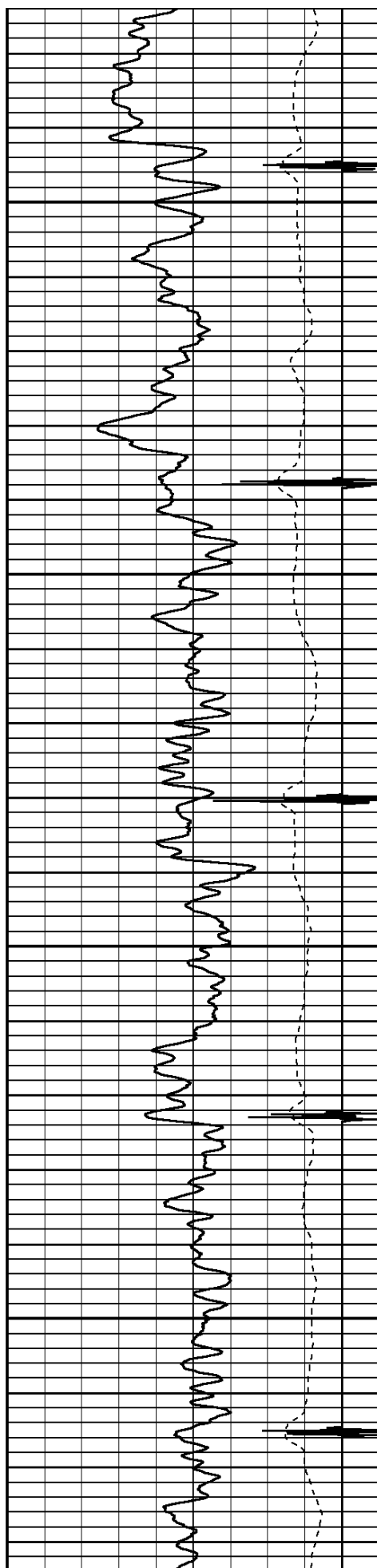




1100

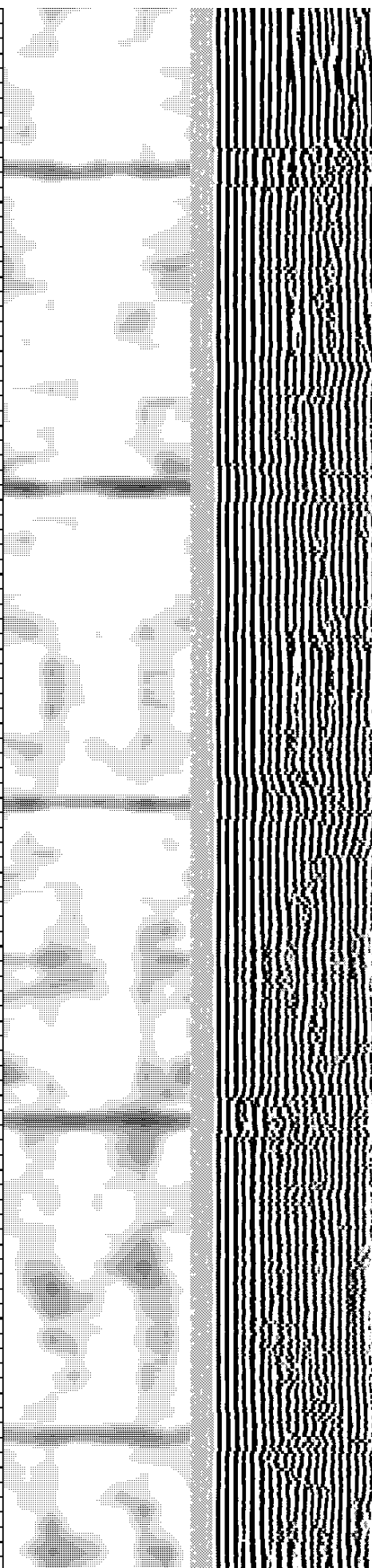
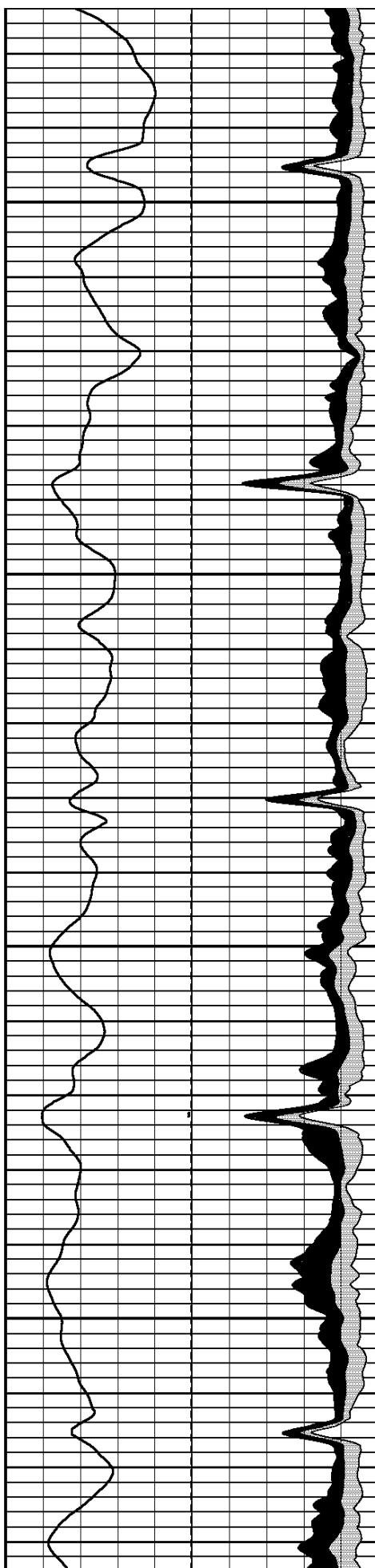
1200

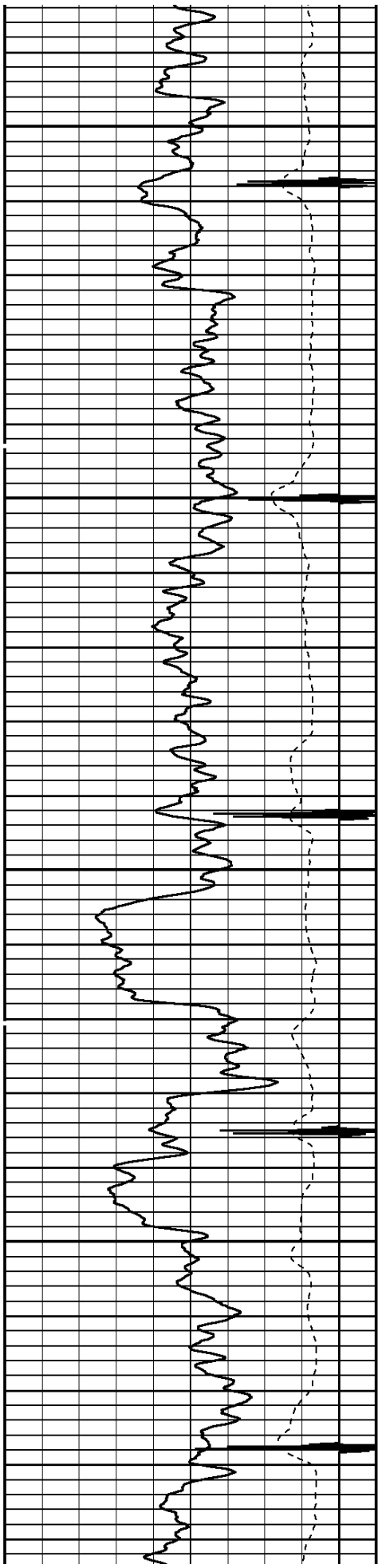




1300

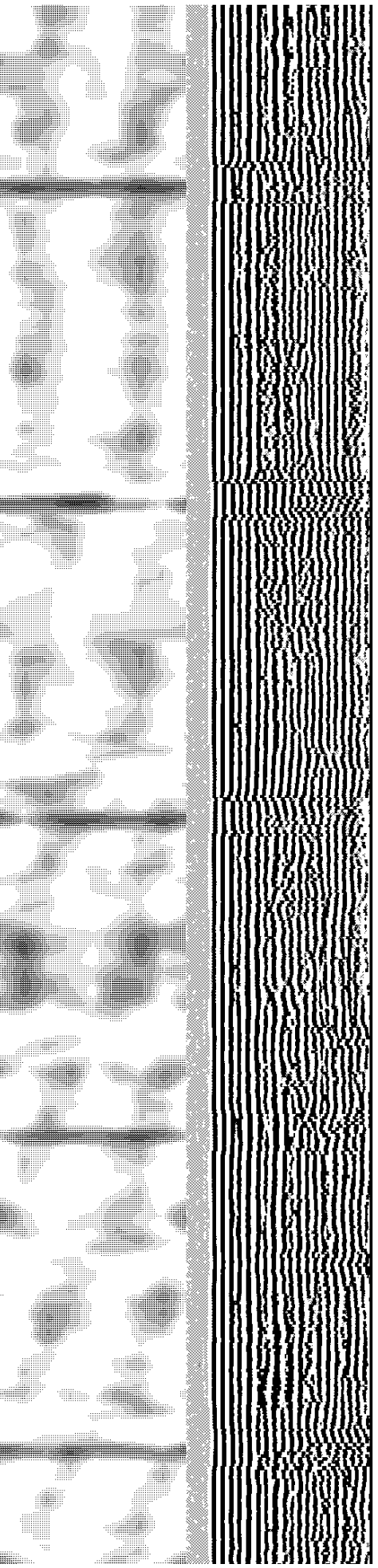
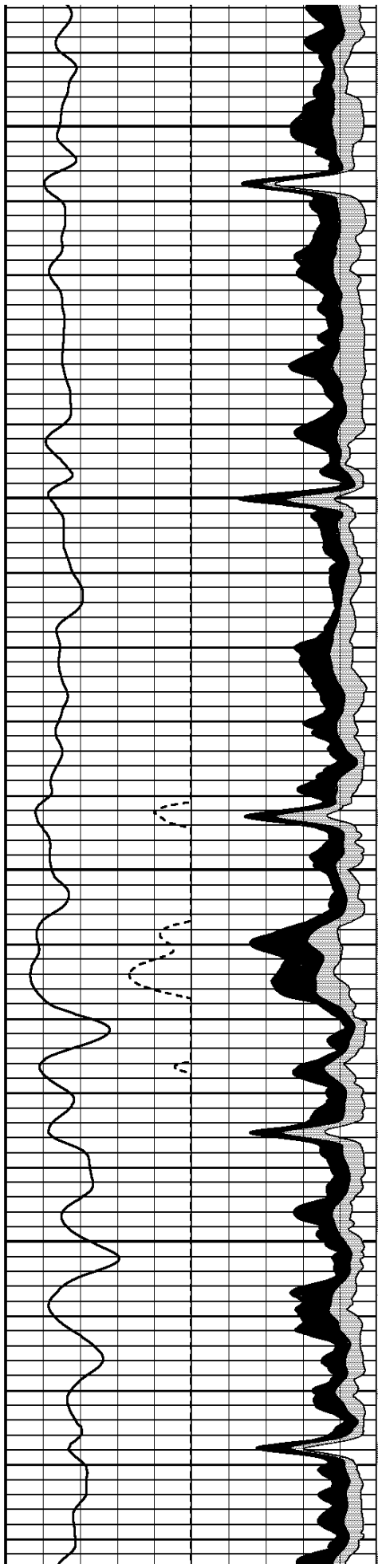
1400

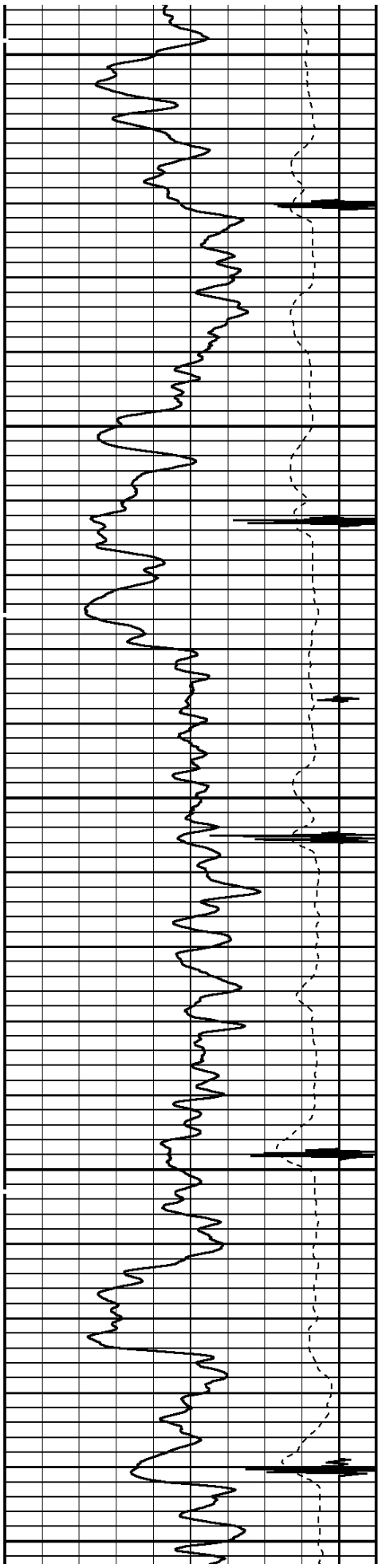




1500

1600

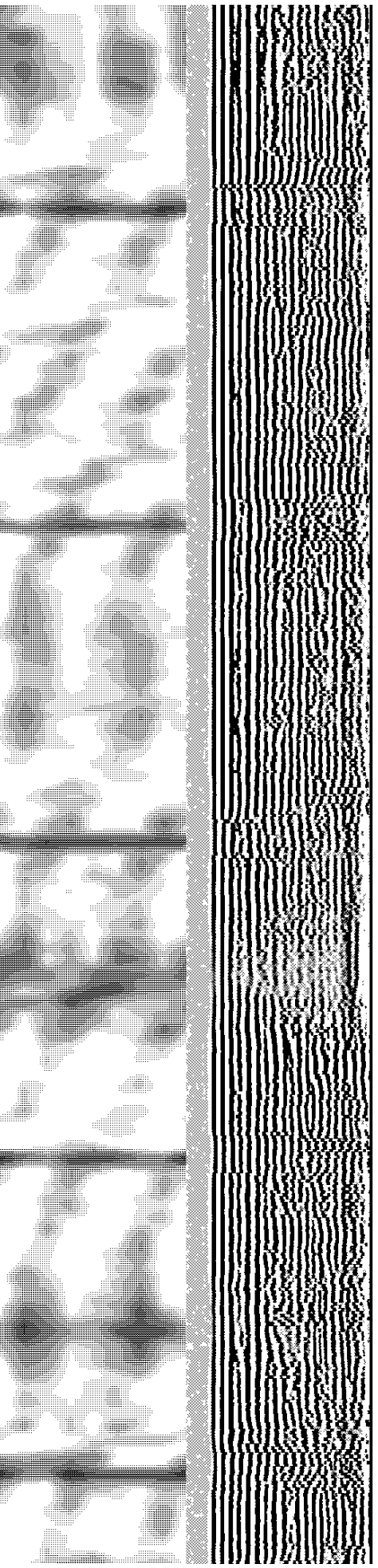
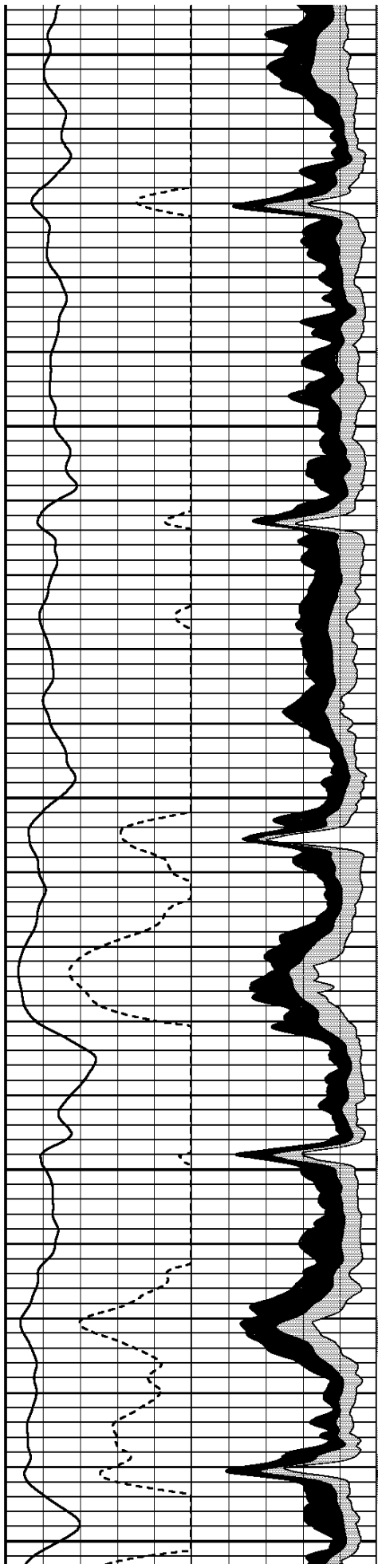


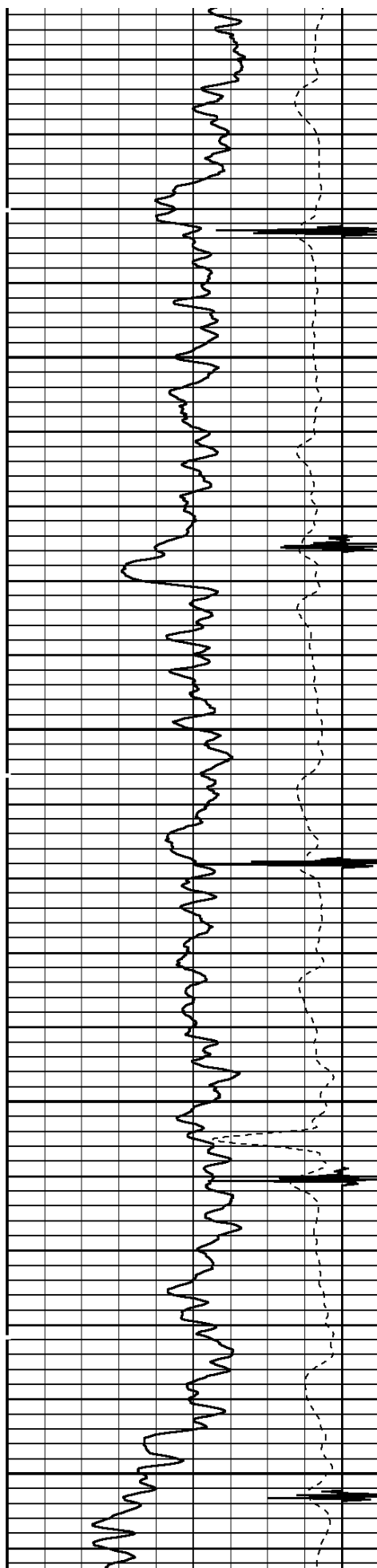


1700

1800

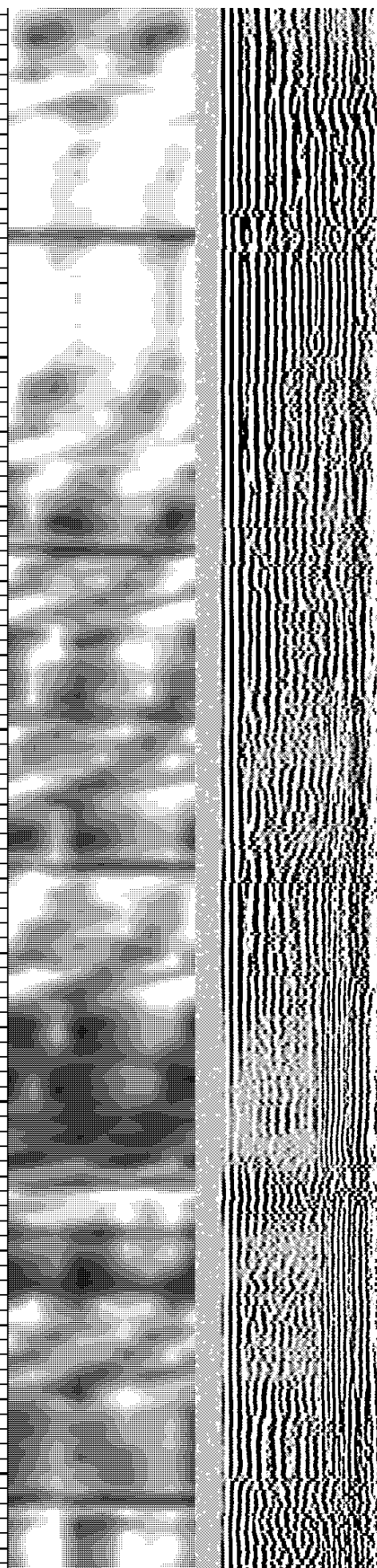
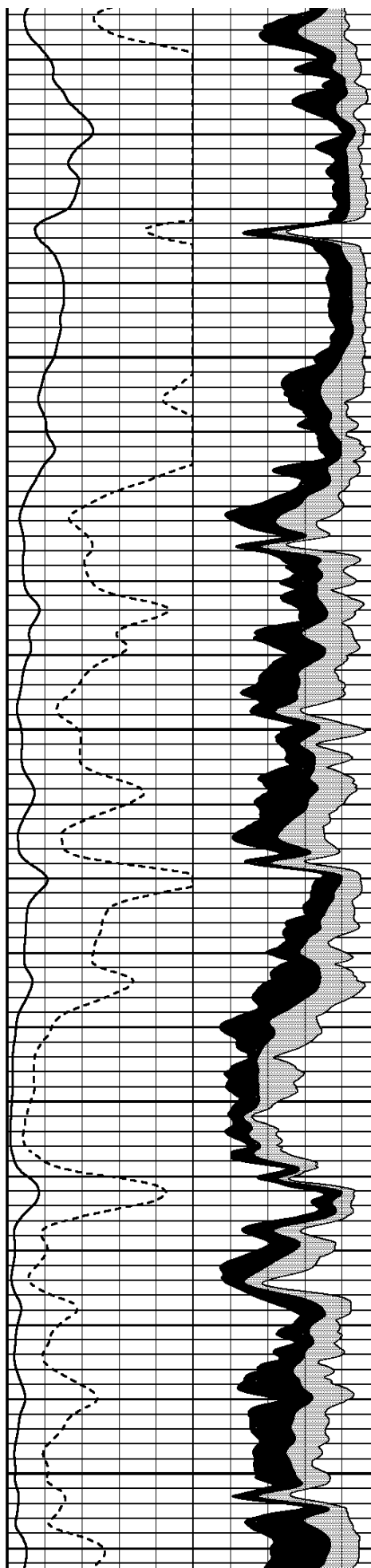
1900

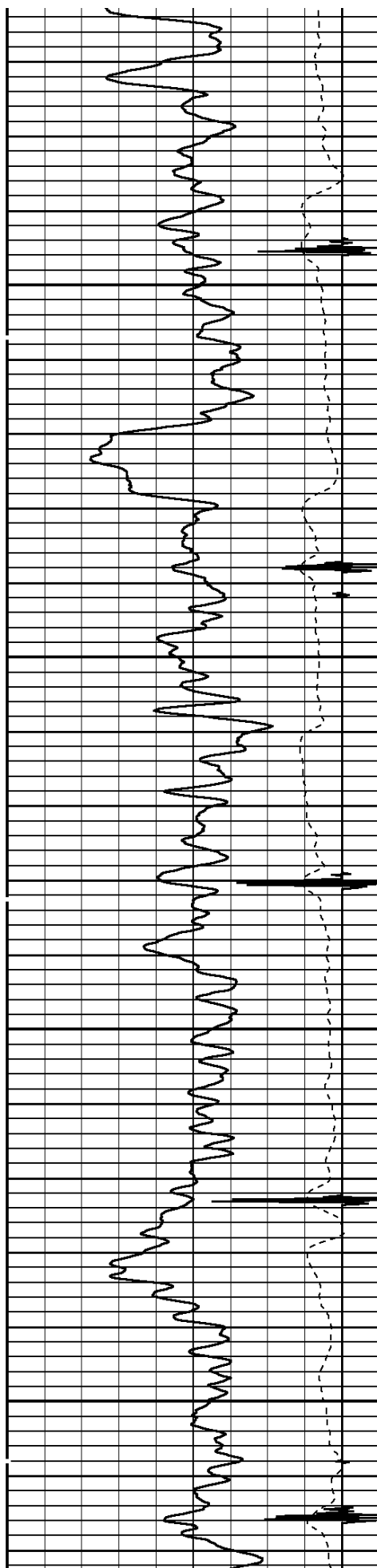




2000

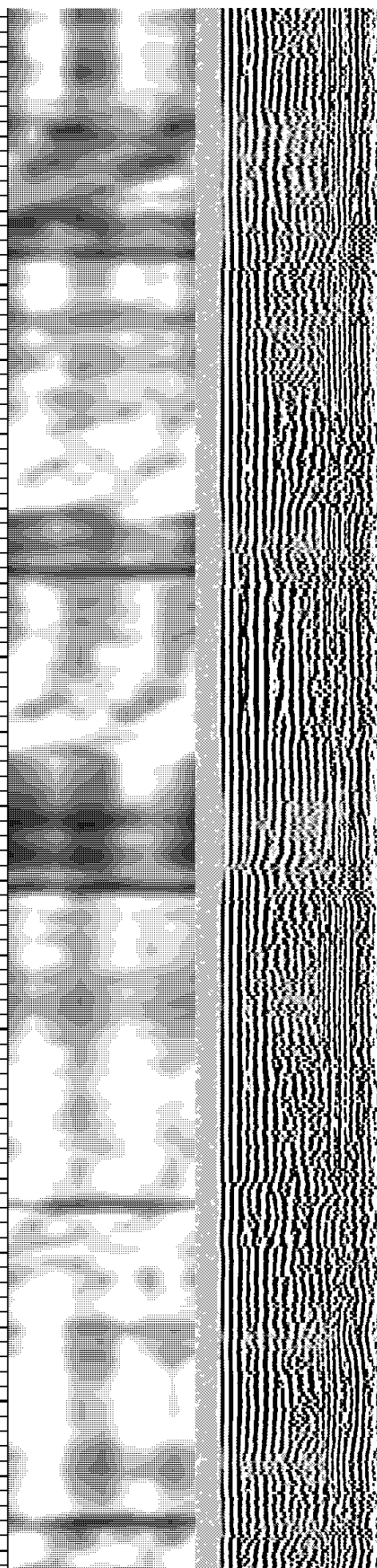
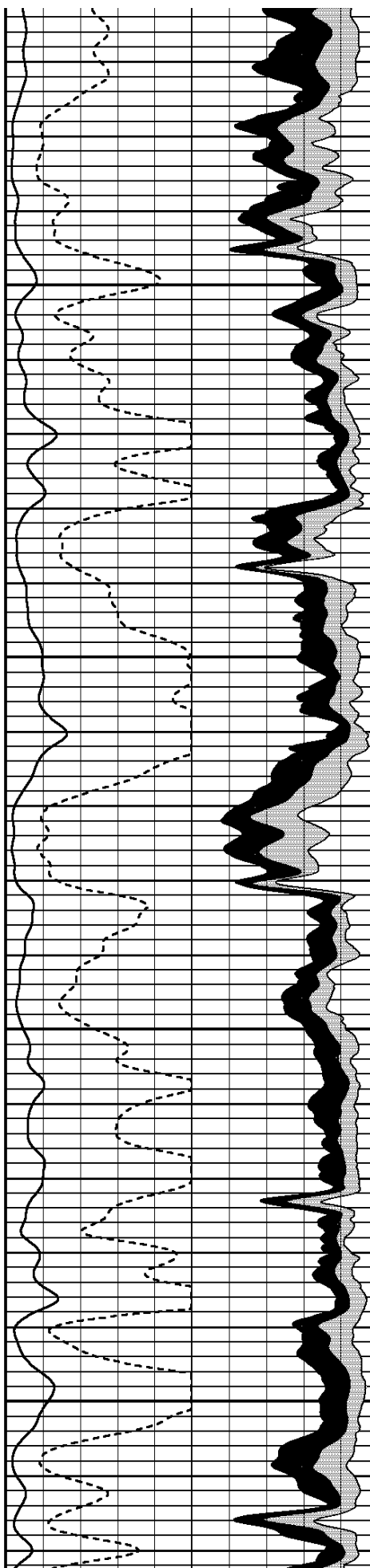
2100

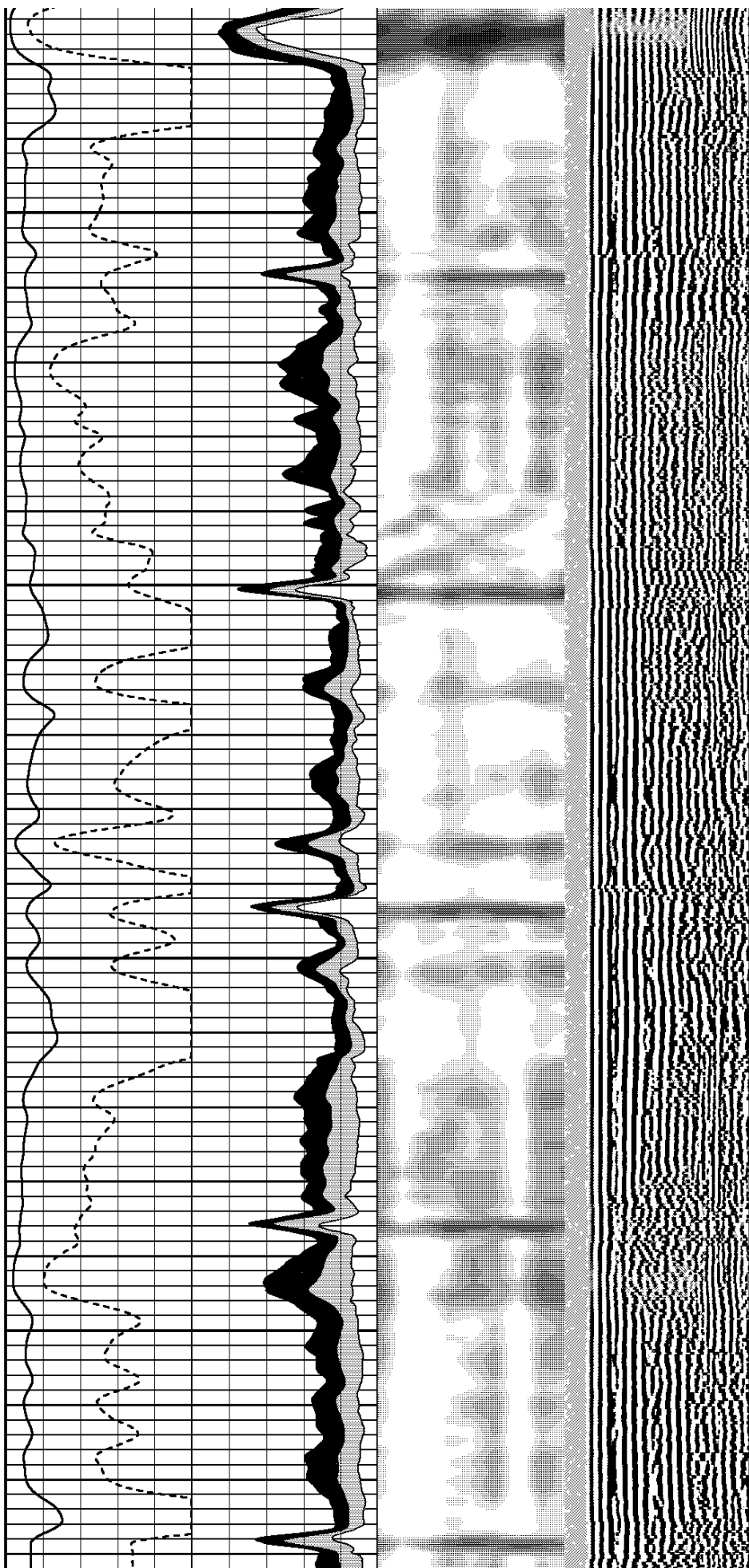
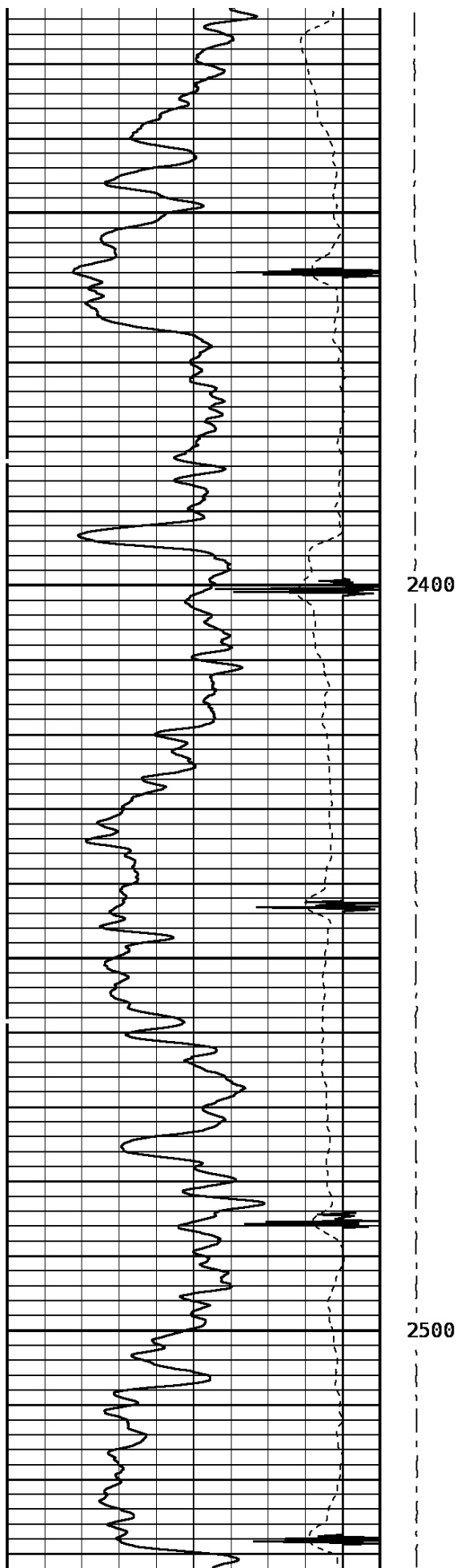


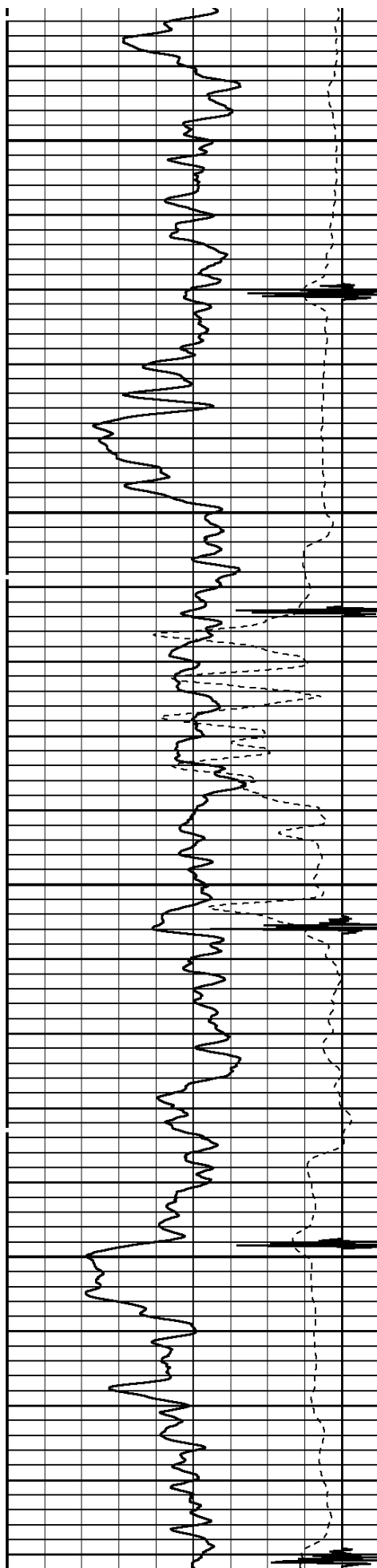


2200

2300

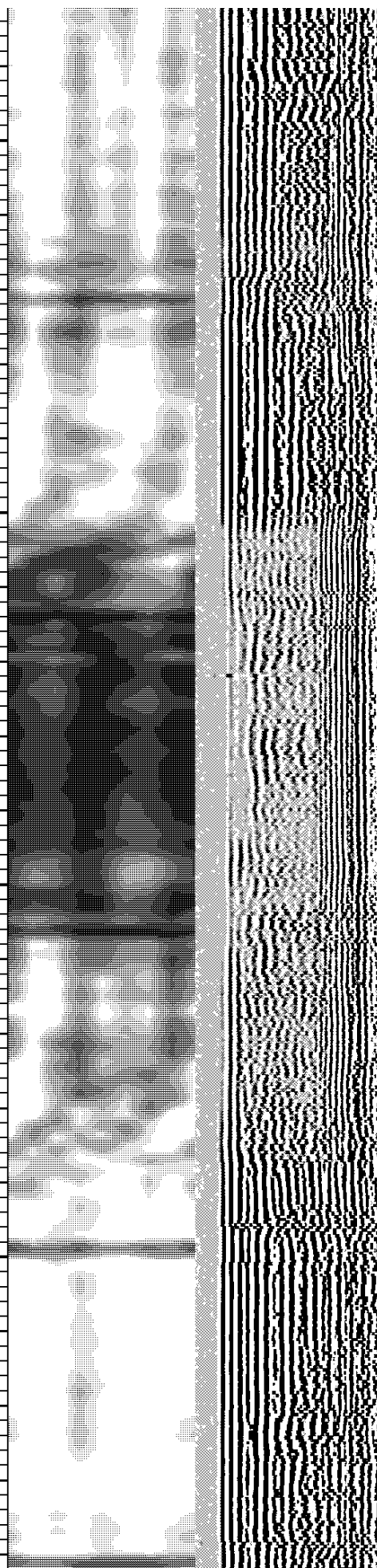
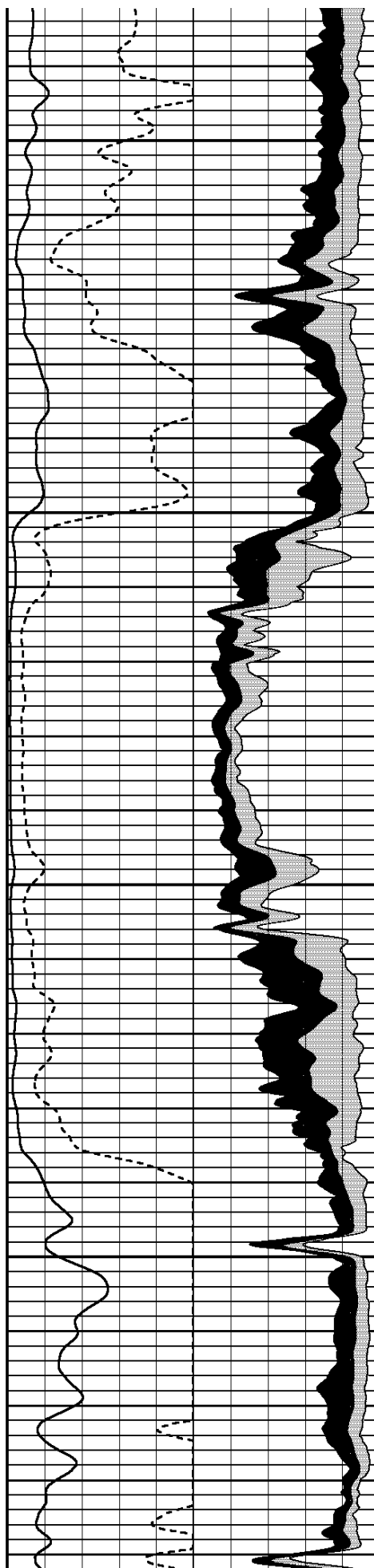


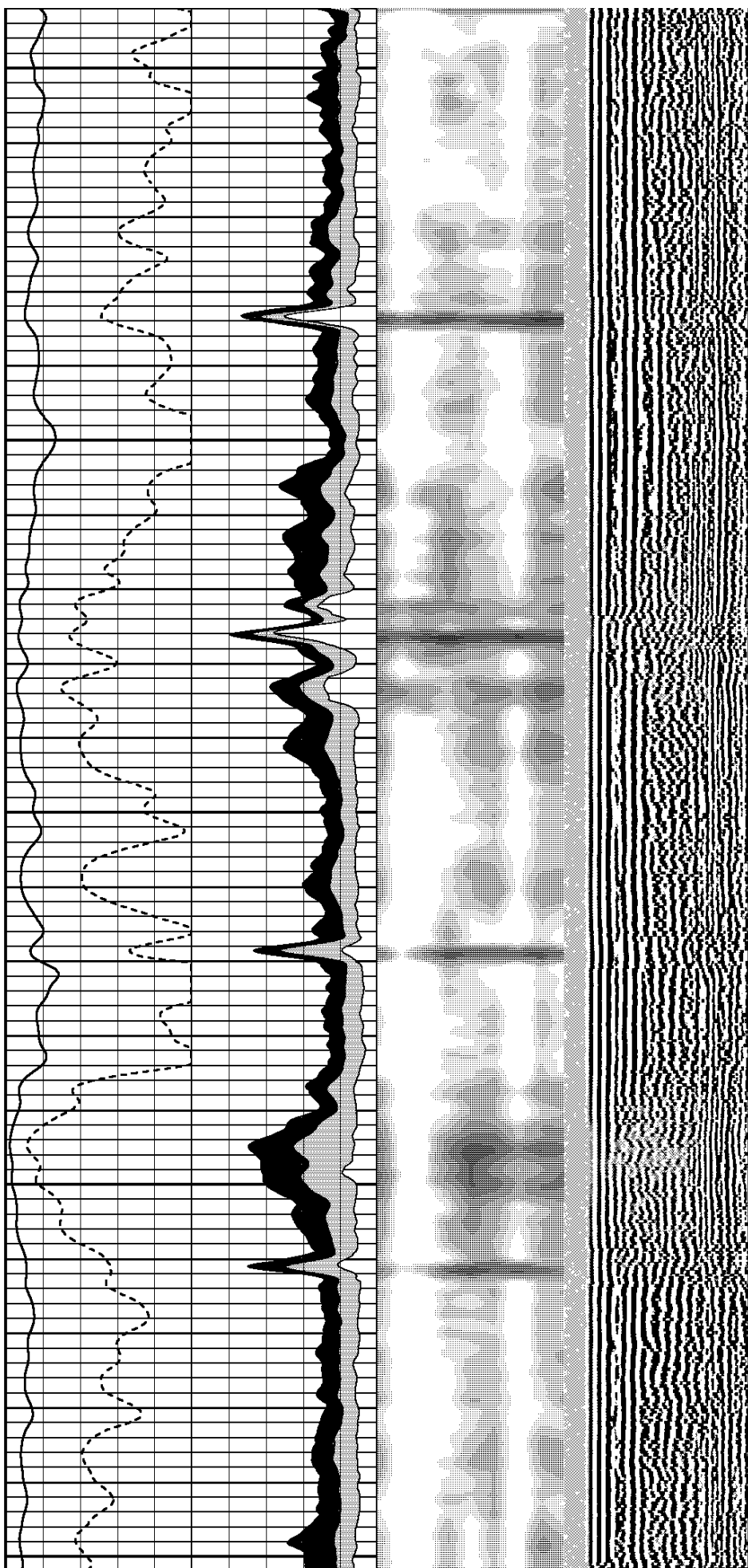
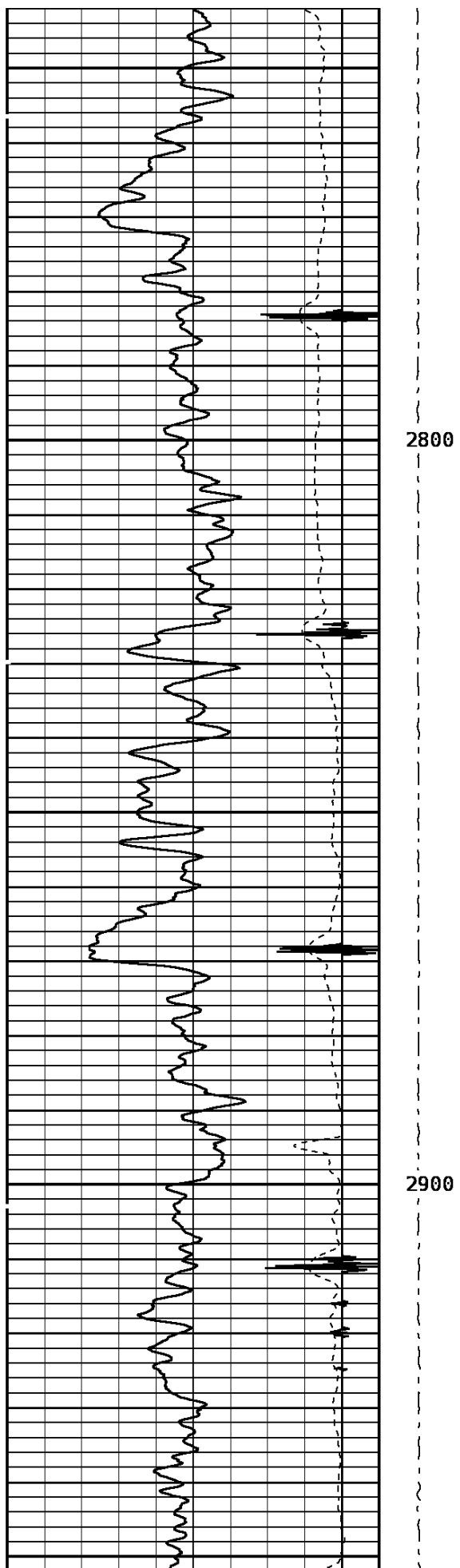


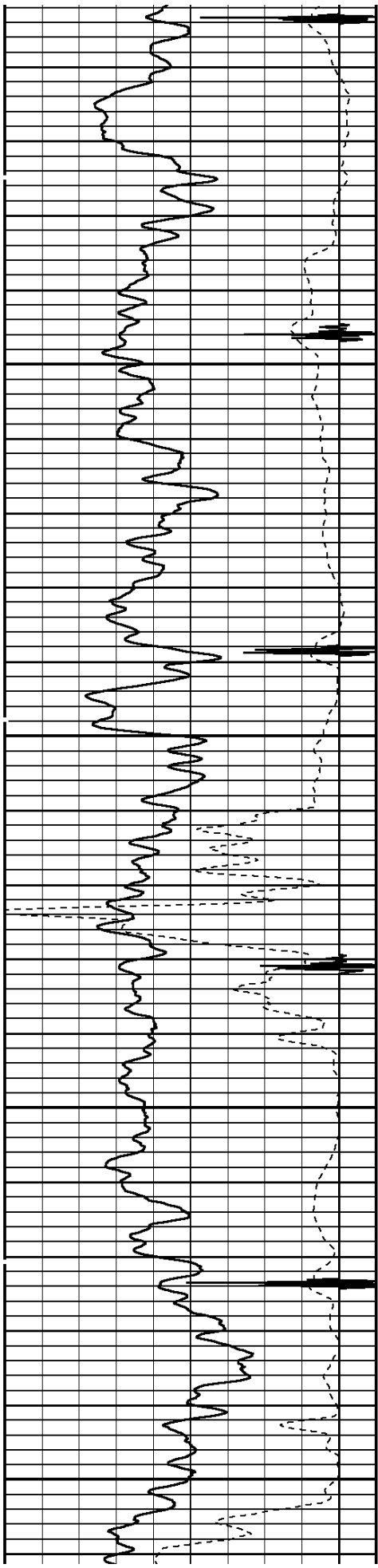


2600

2700

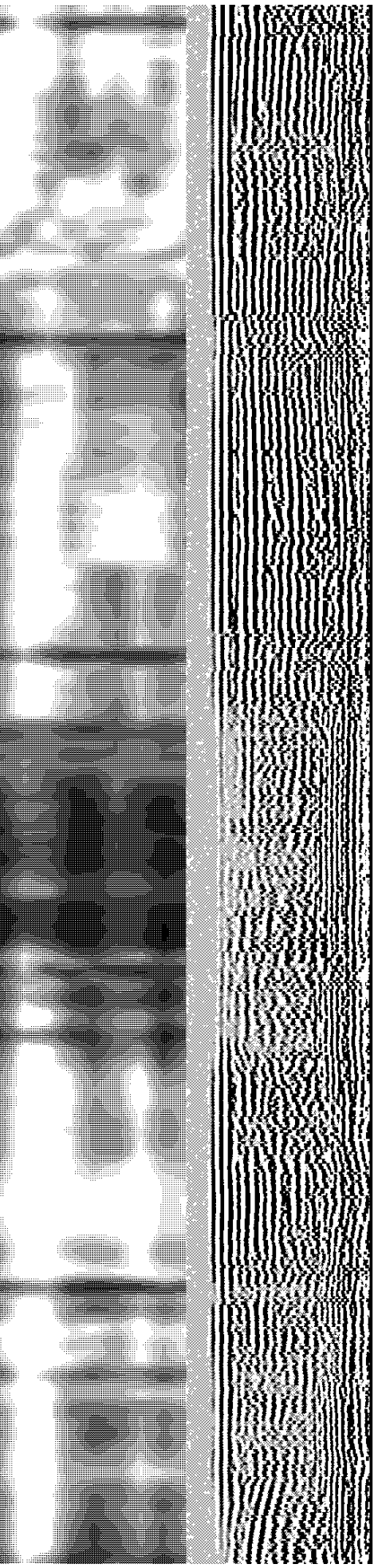
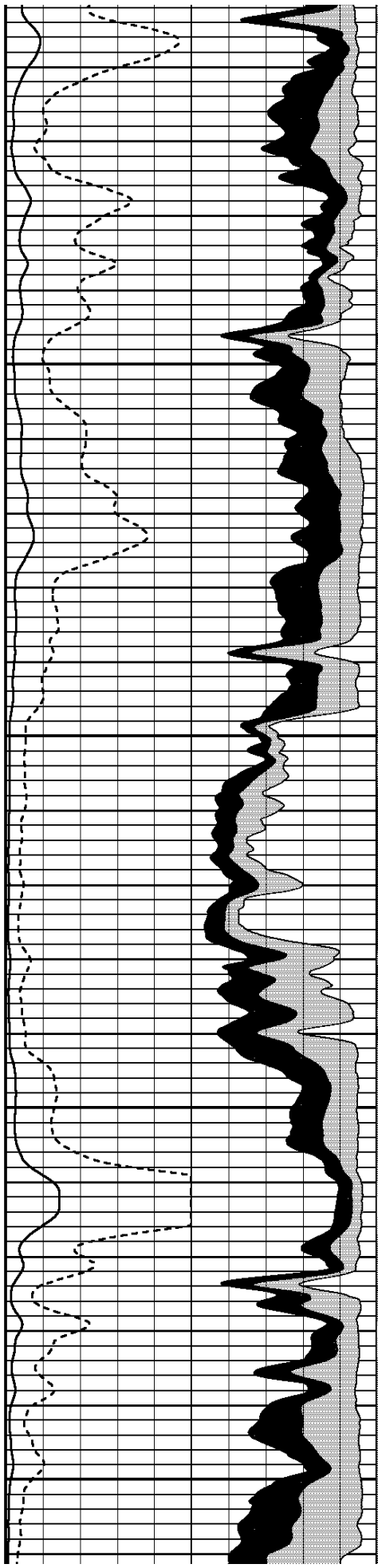


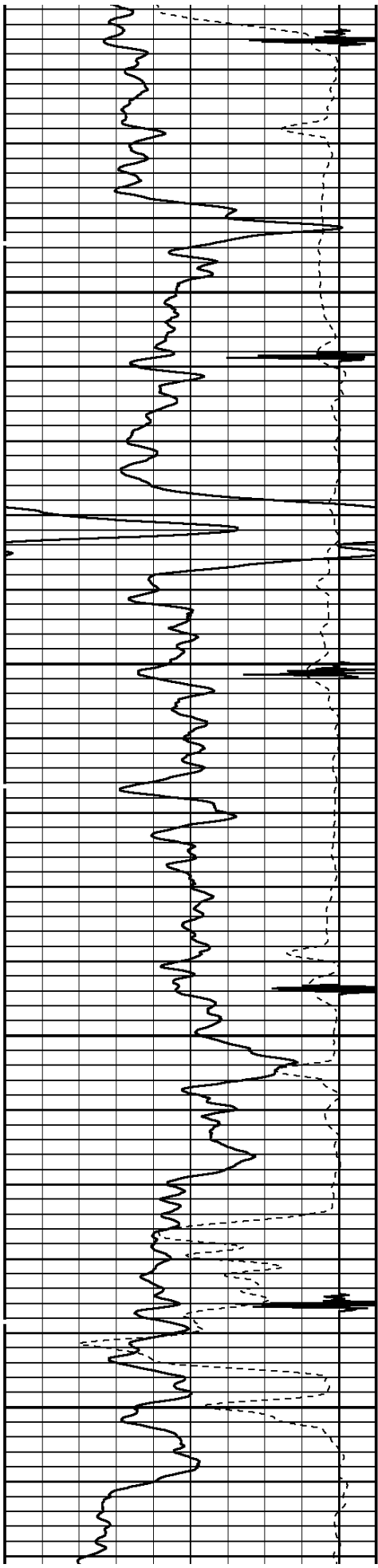




3000

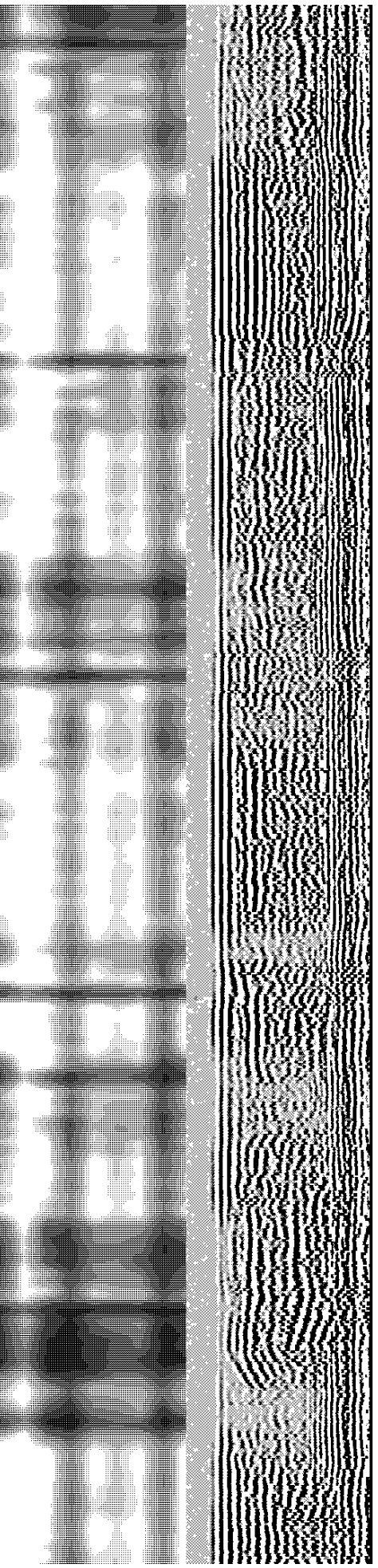
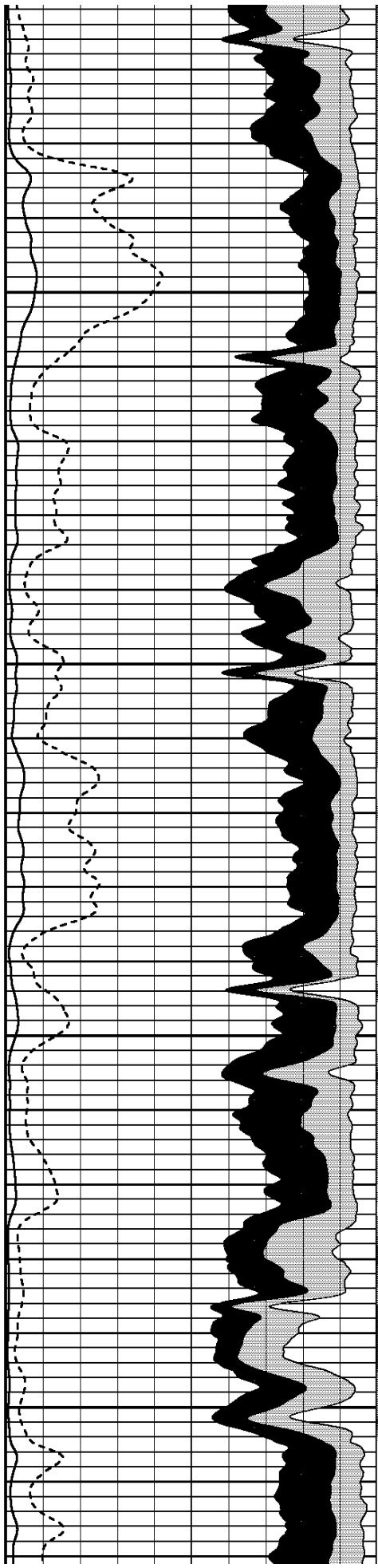
3100

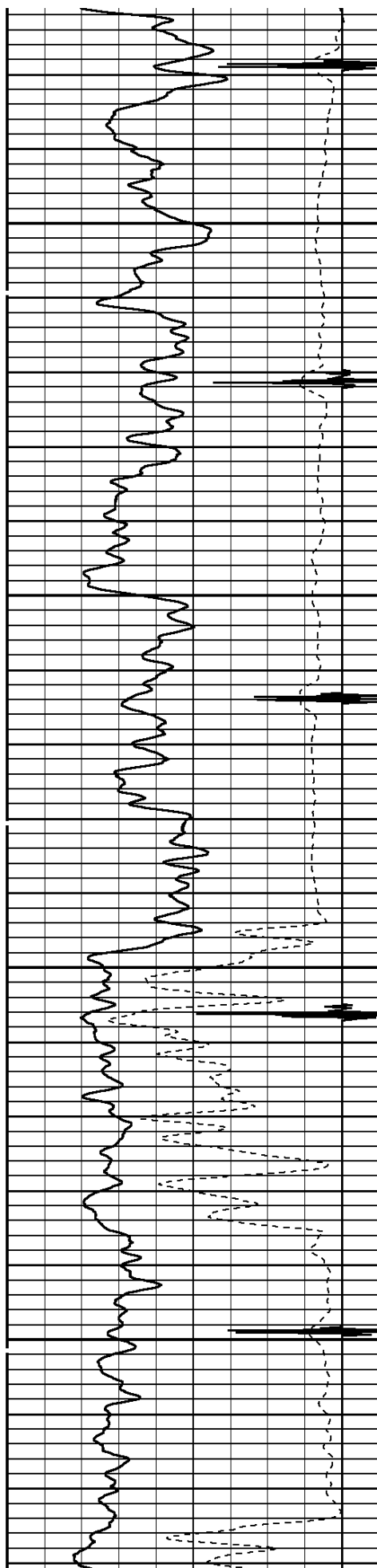




3200

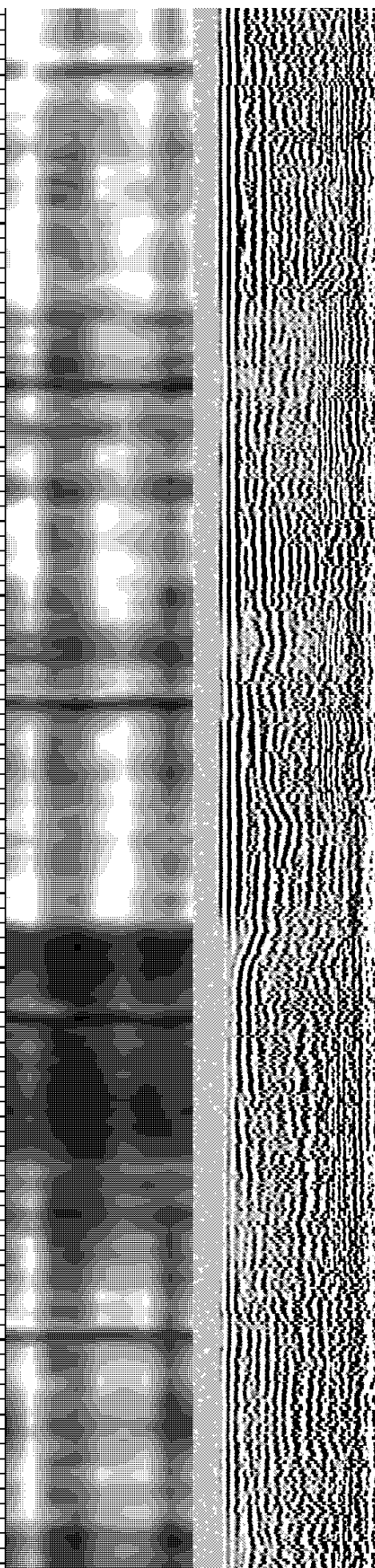
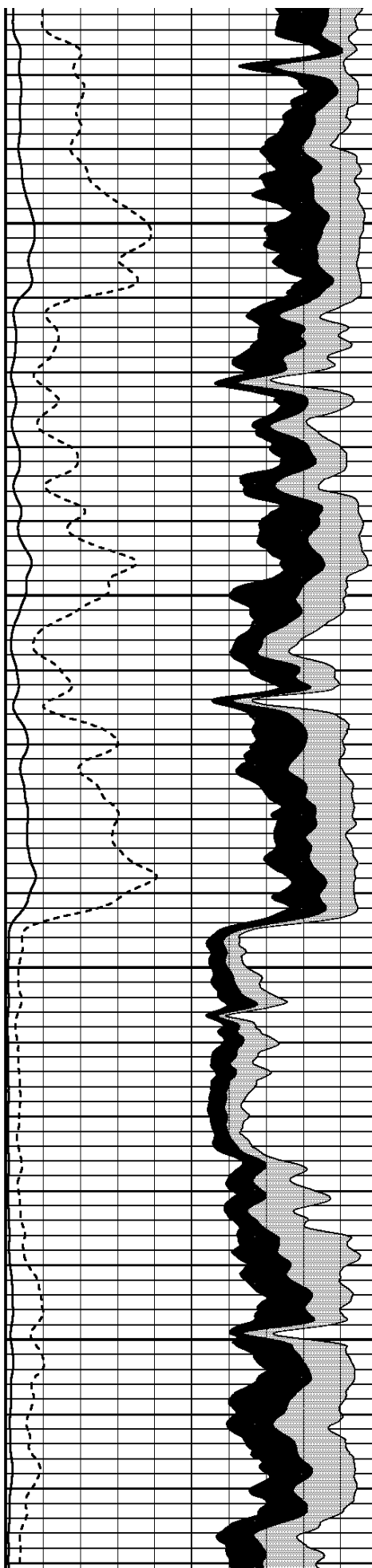
3300

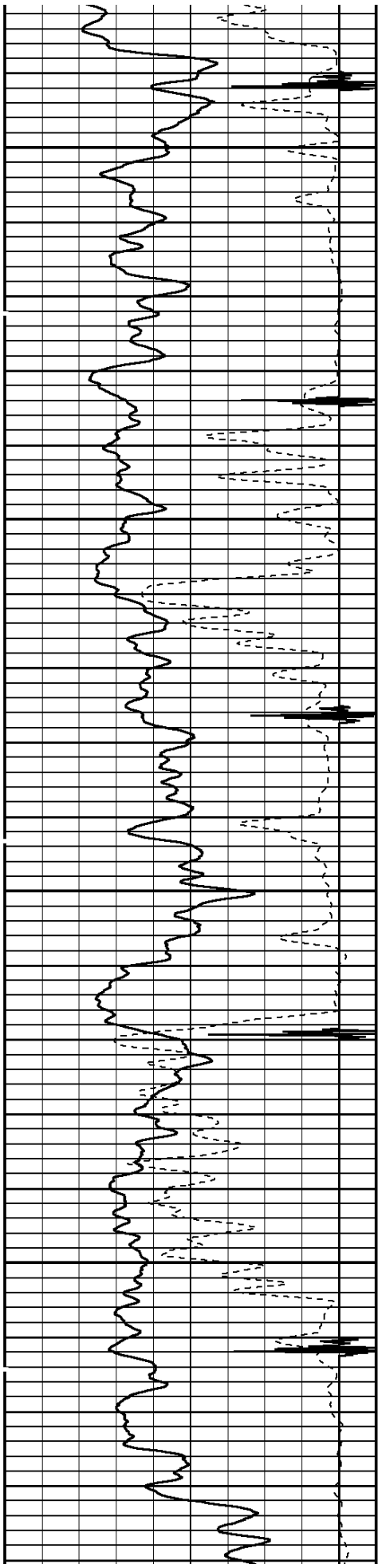




3400

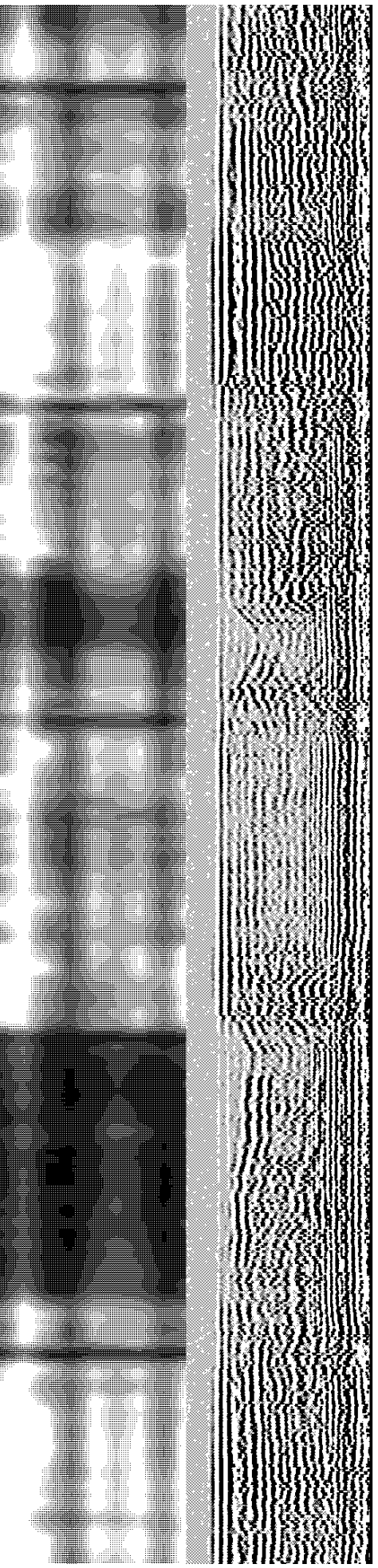
3500

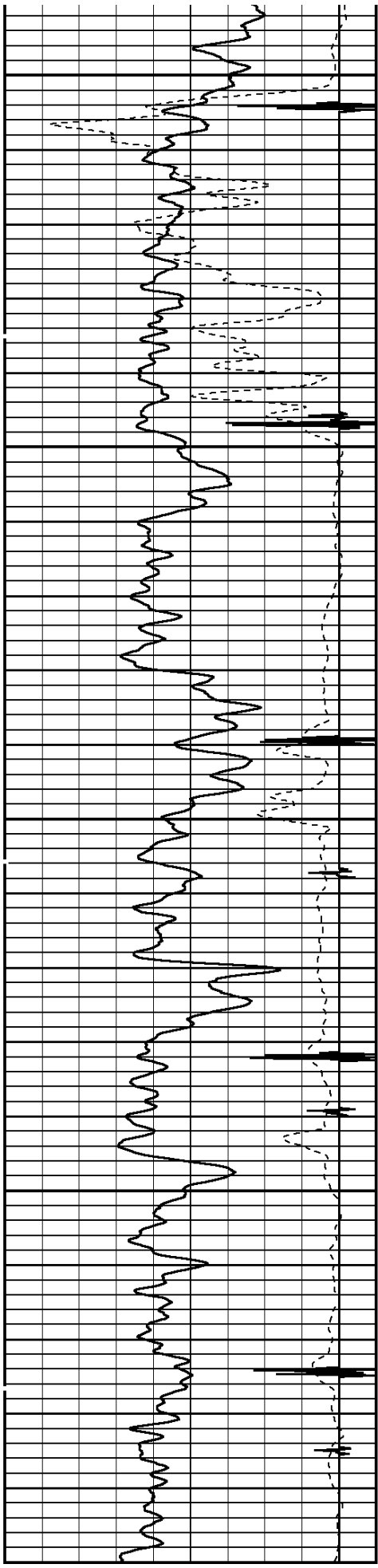




3600

3700

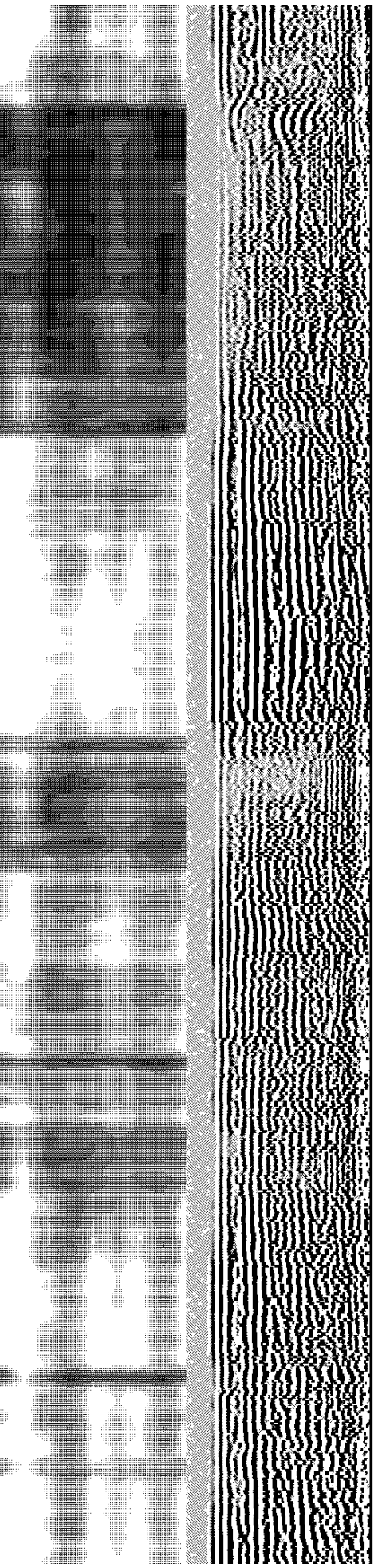
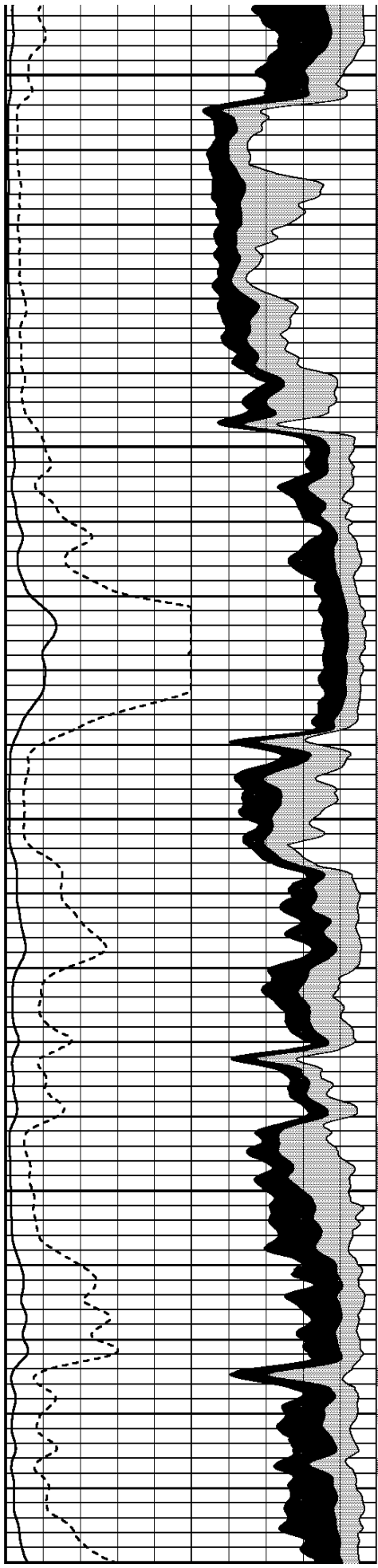


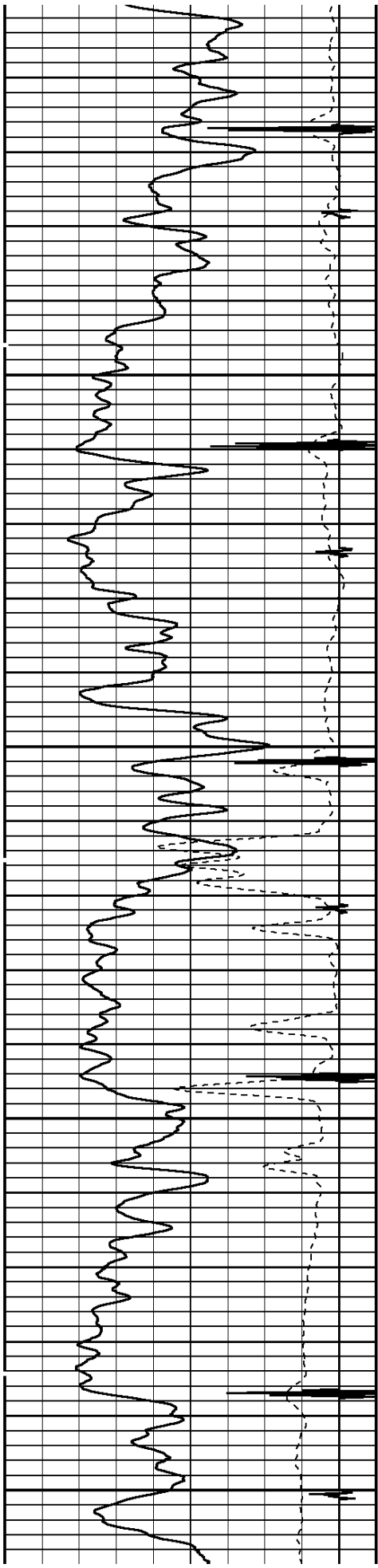


3800

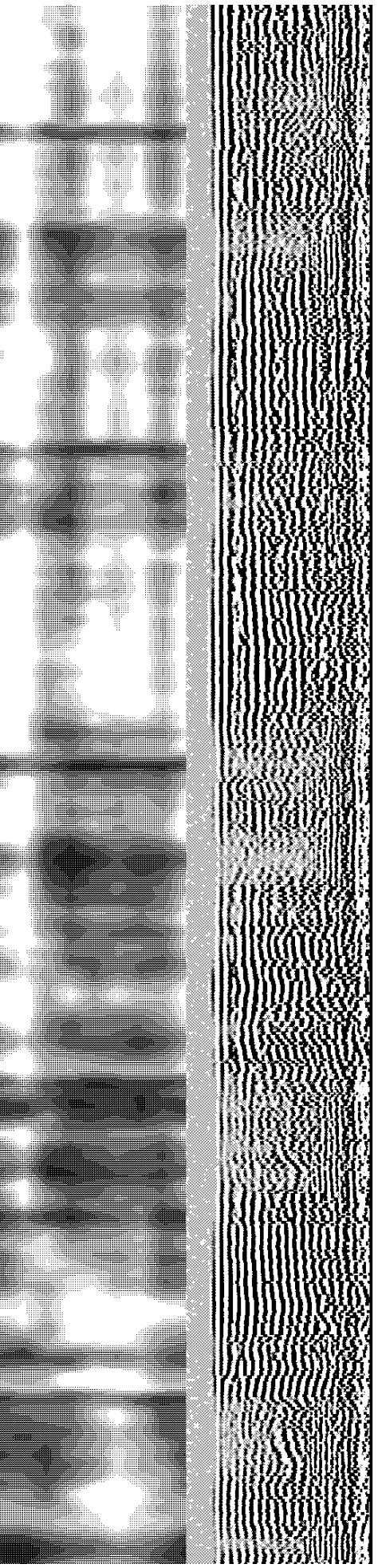
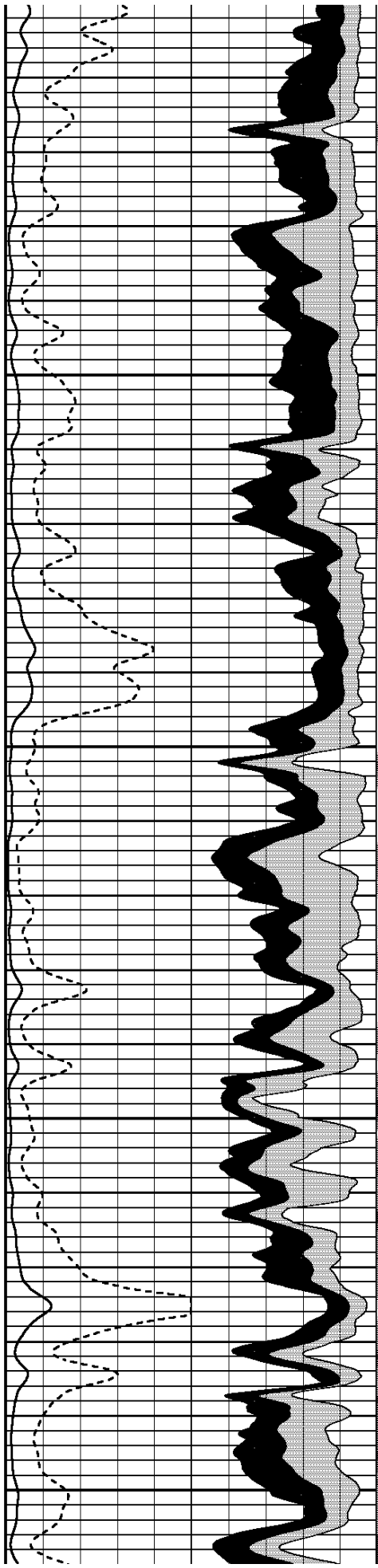
3900

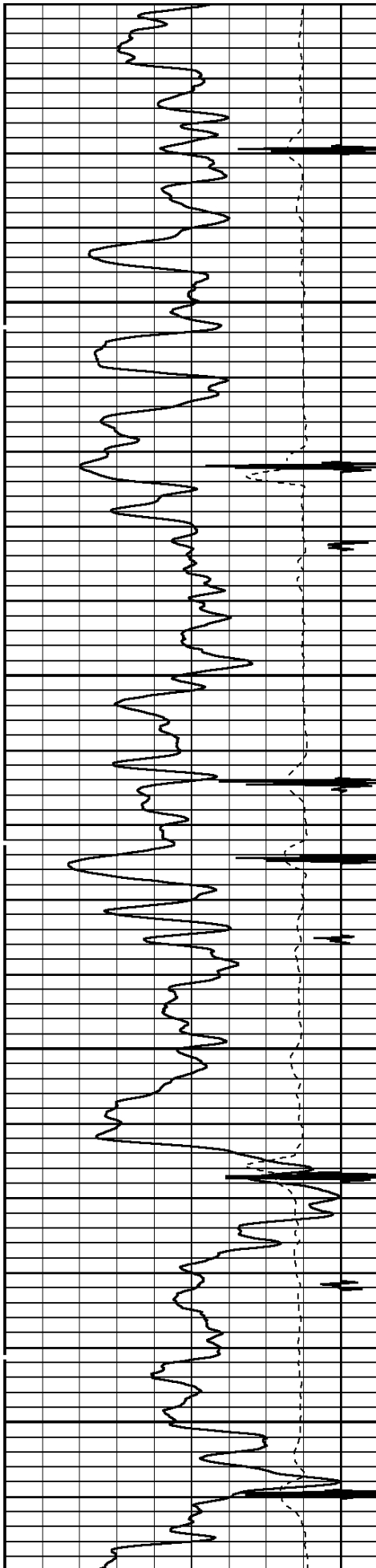
4000





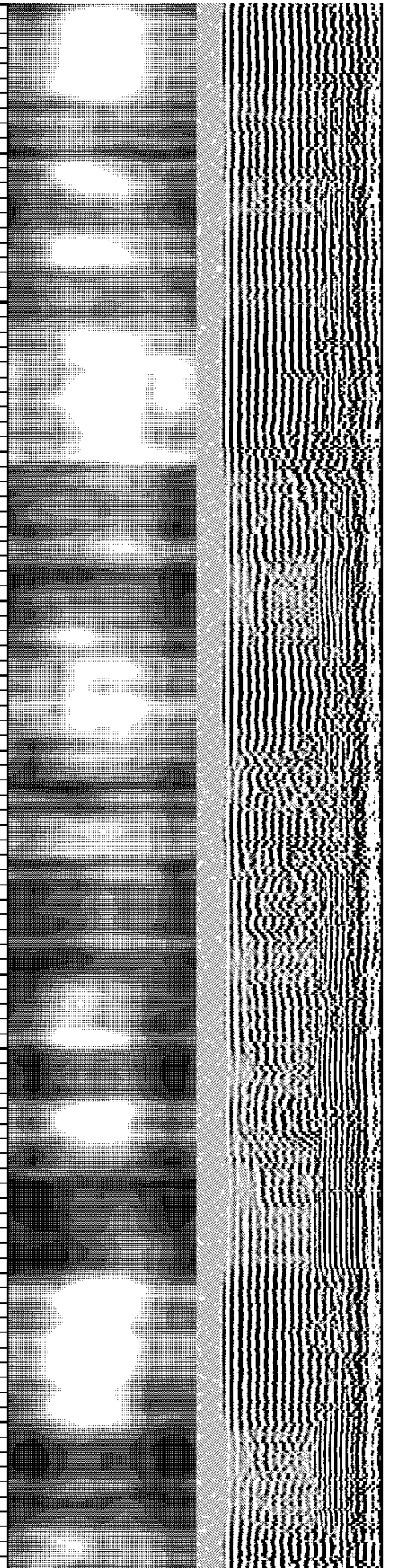
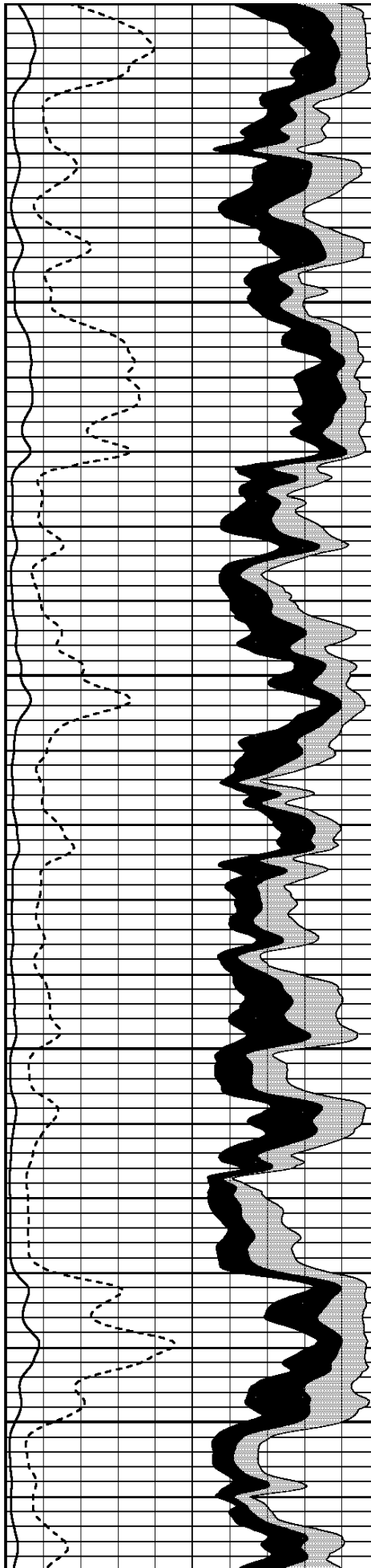
4000
4100
4200

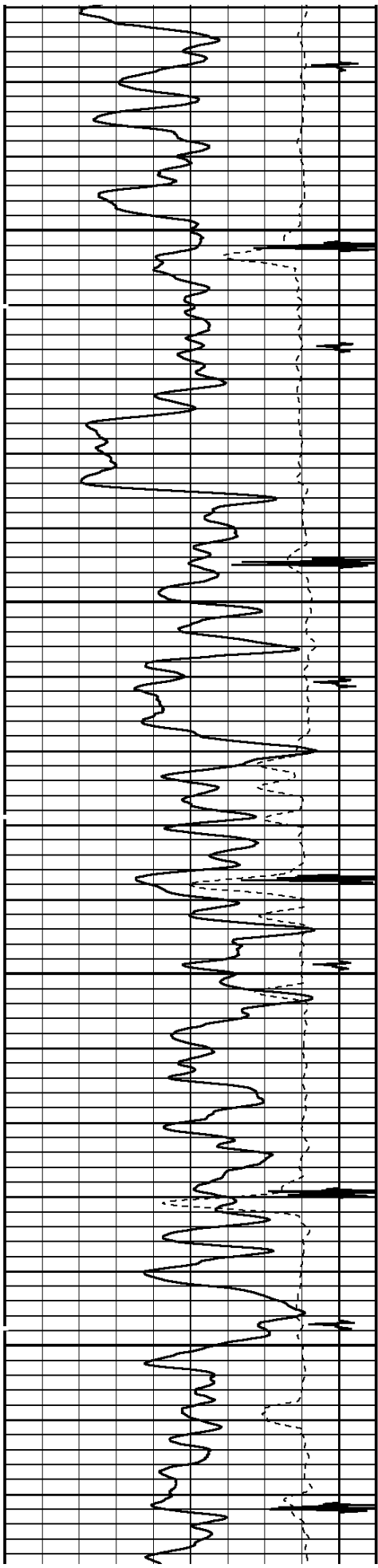




4300

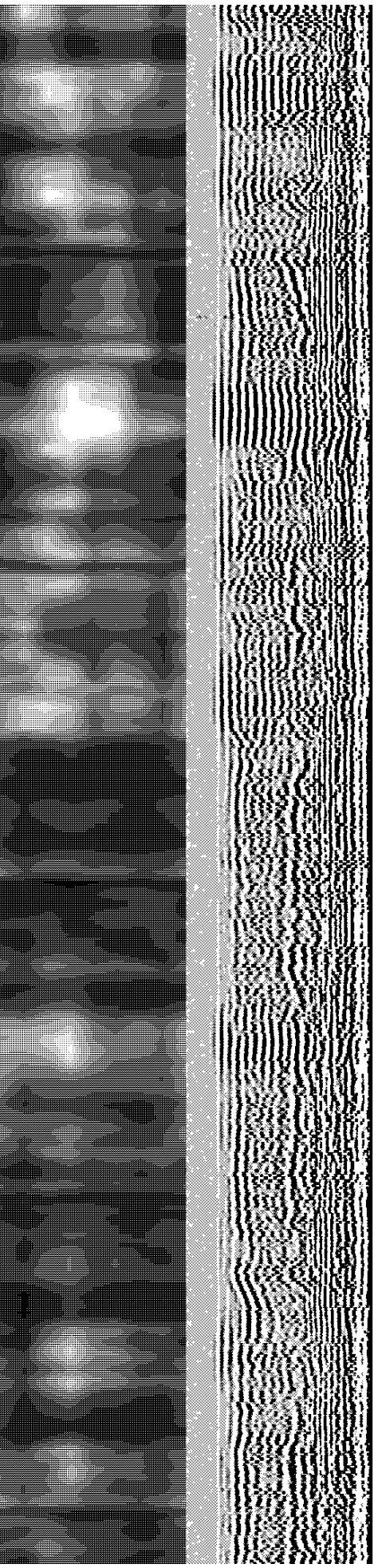
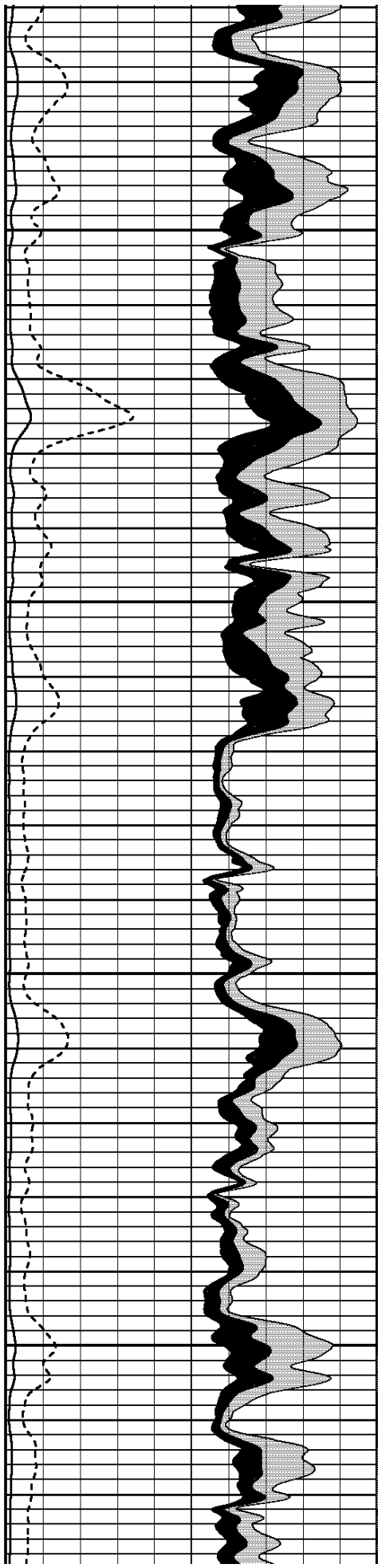
4400

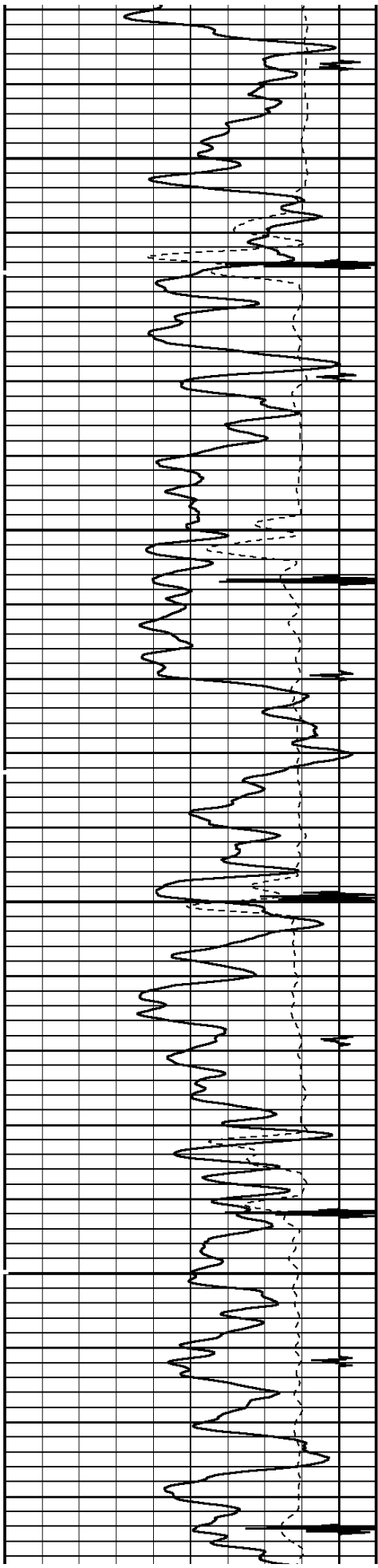




4500

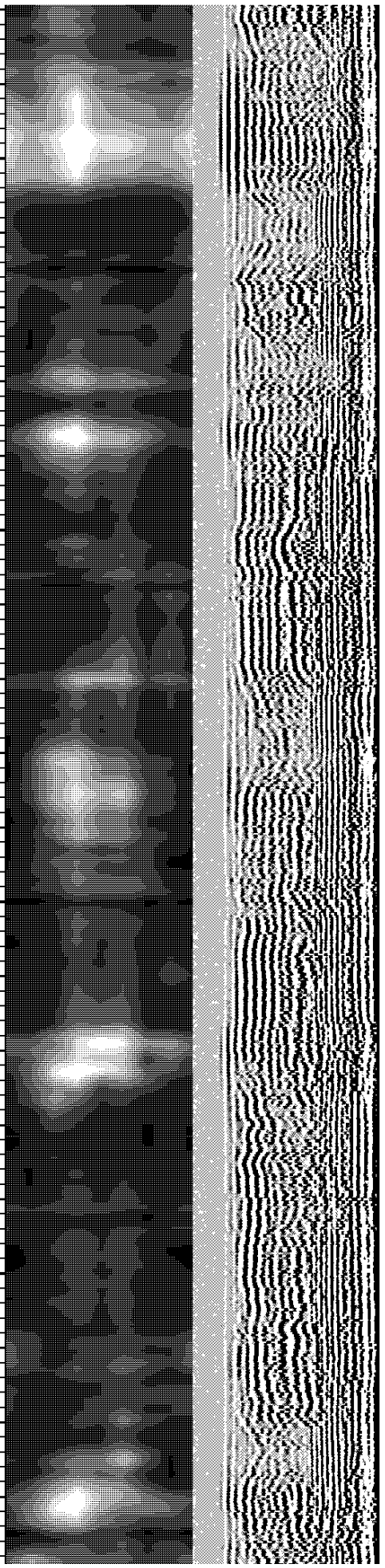
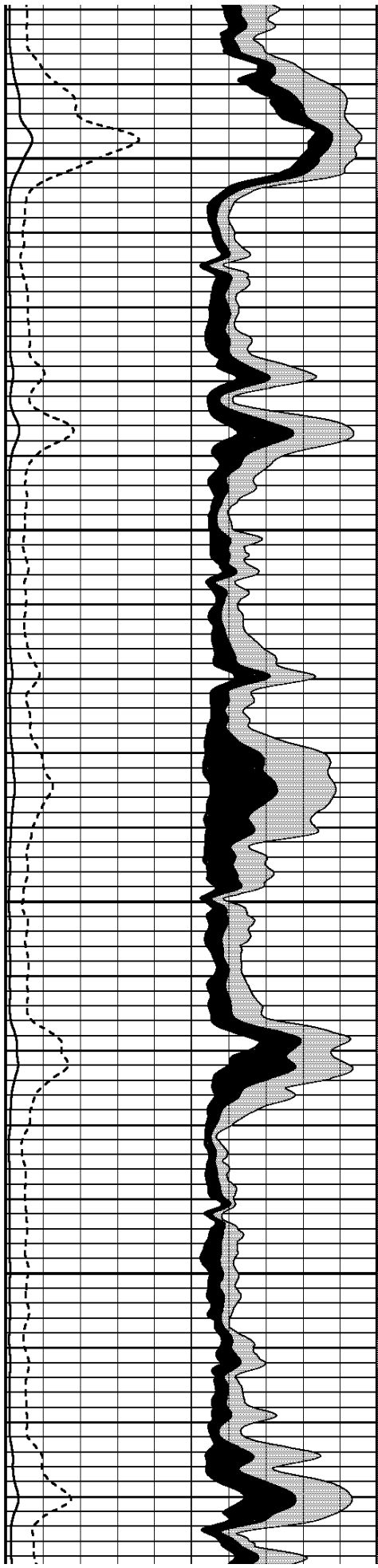
4600

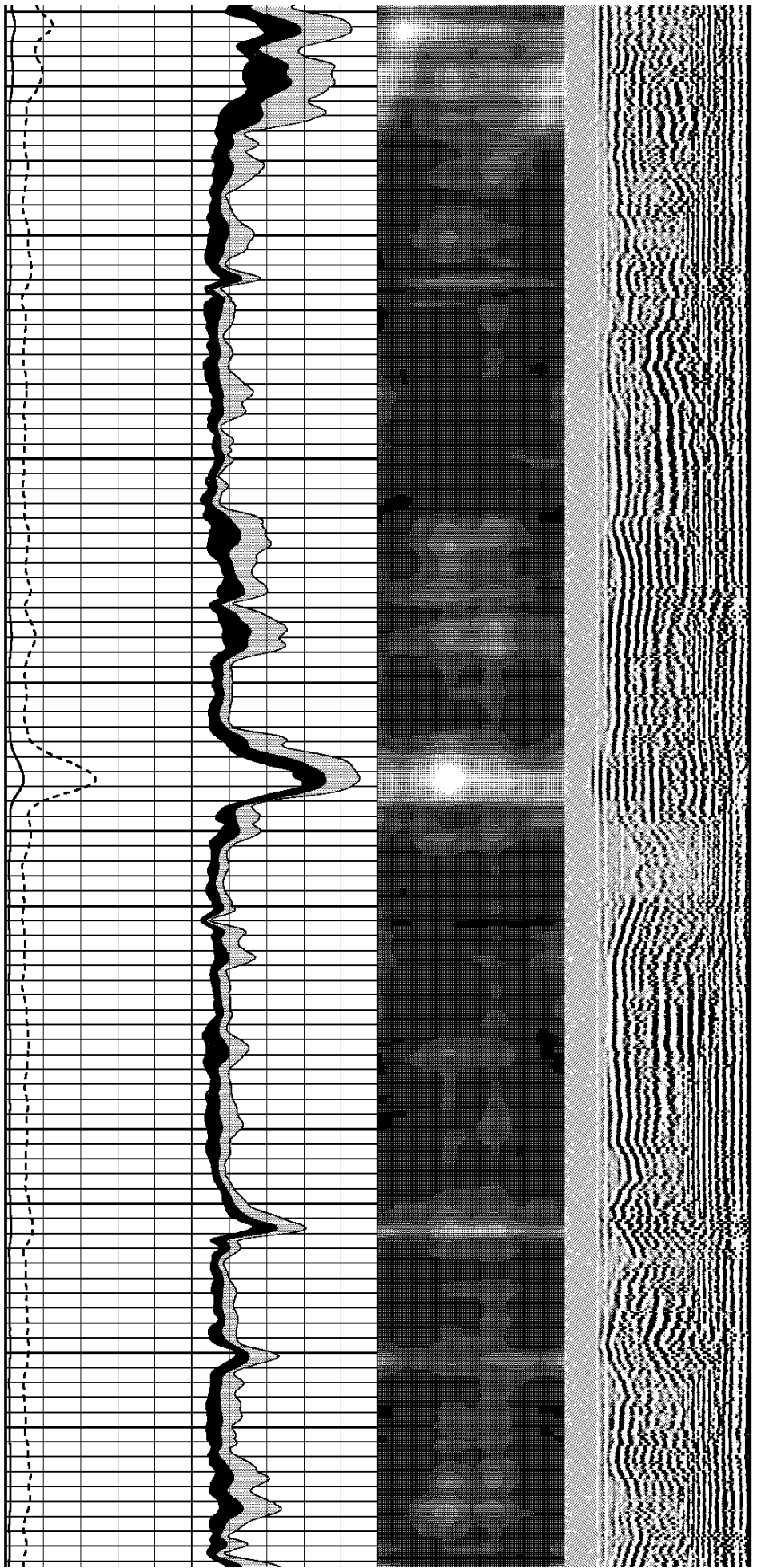
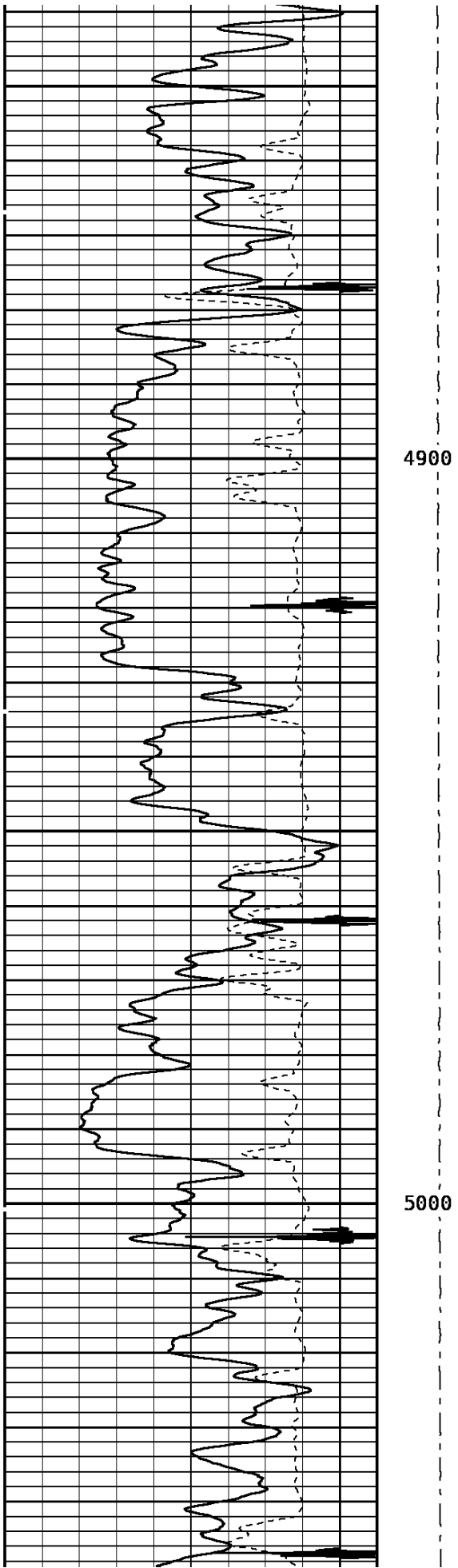


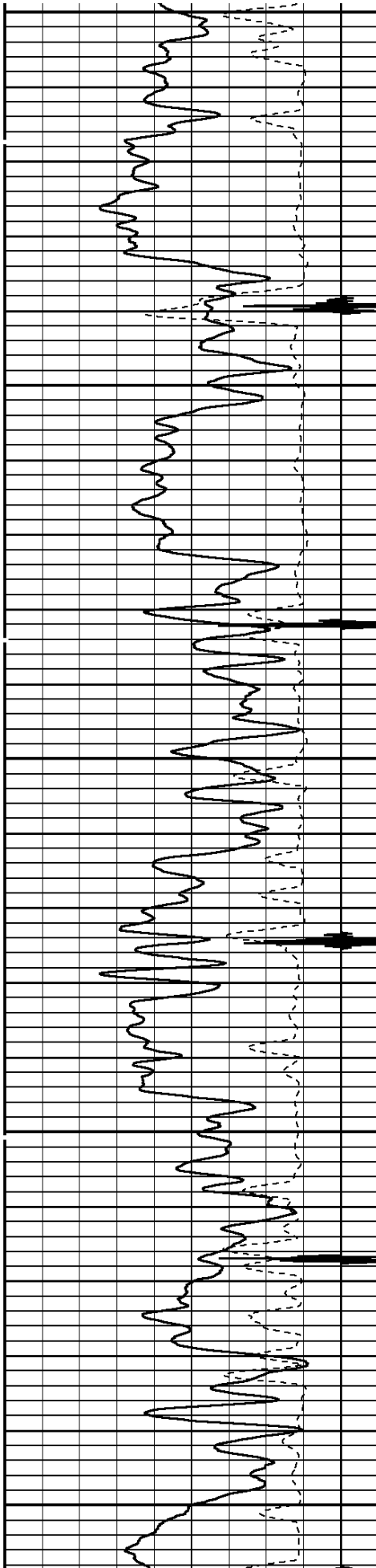


4700

4800

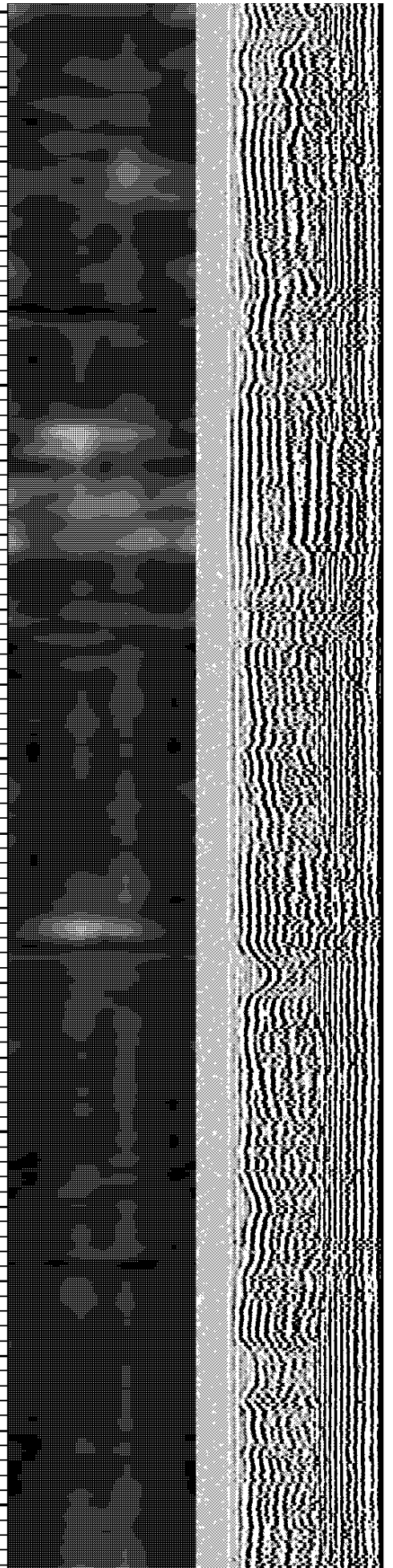
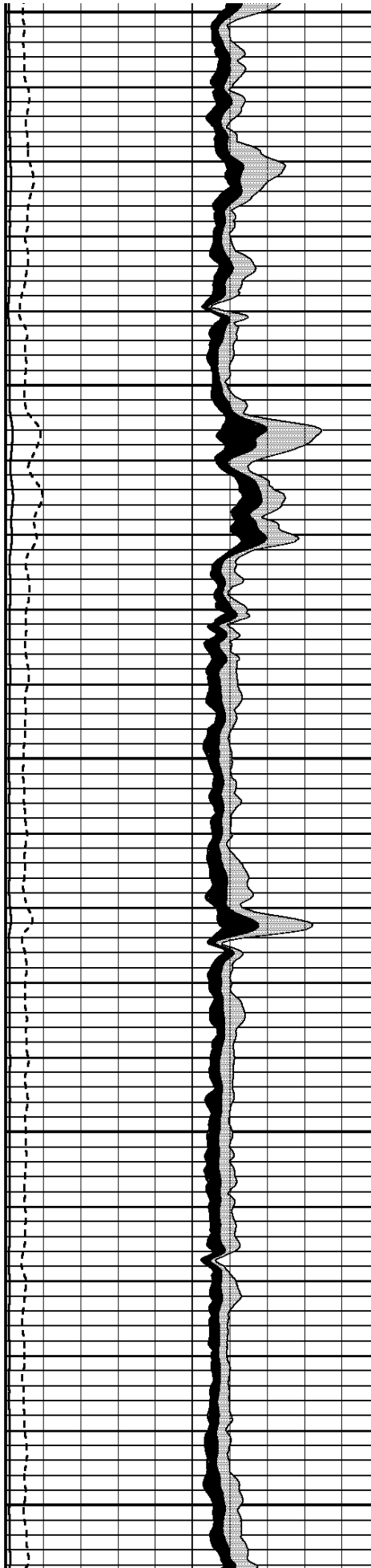


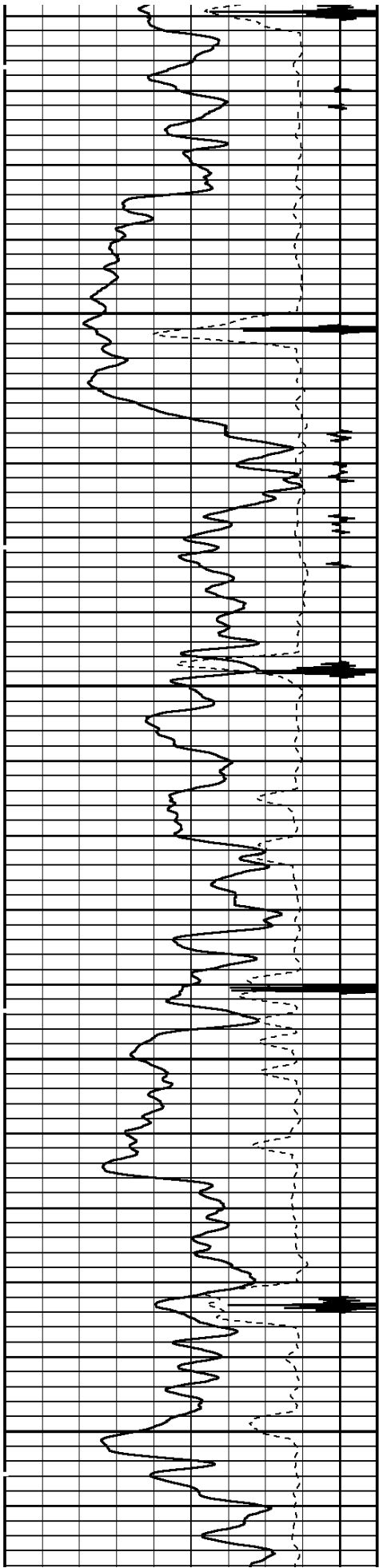




5100

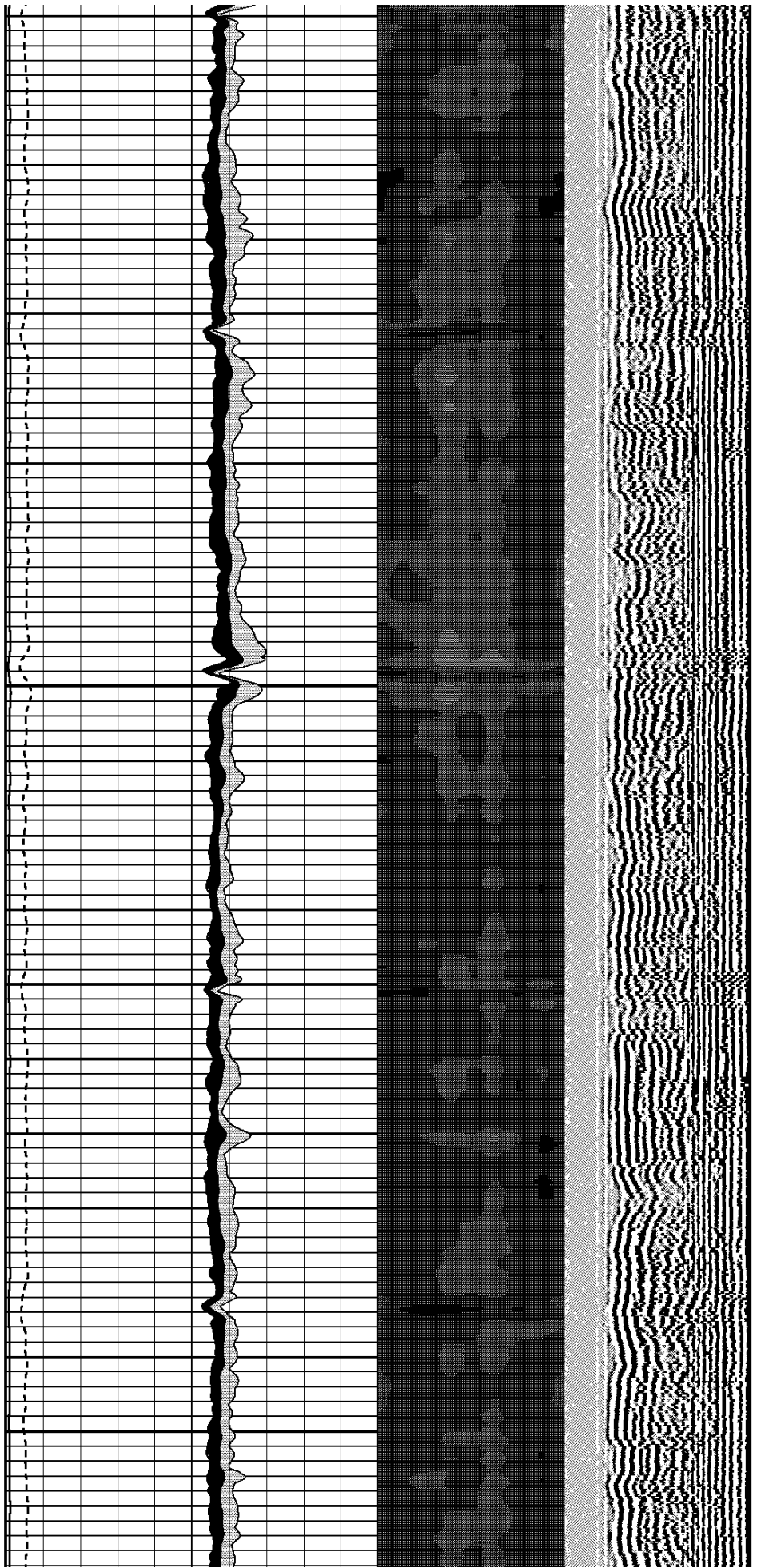
5200

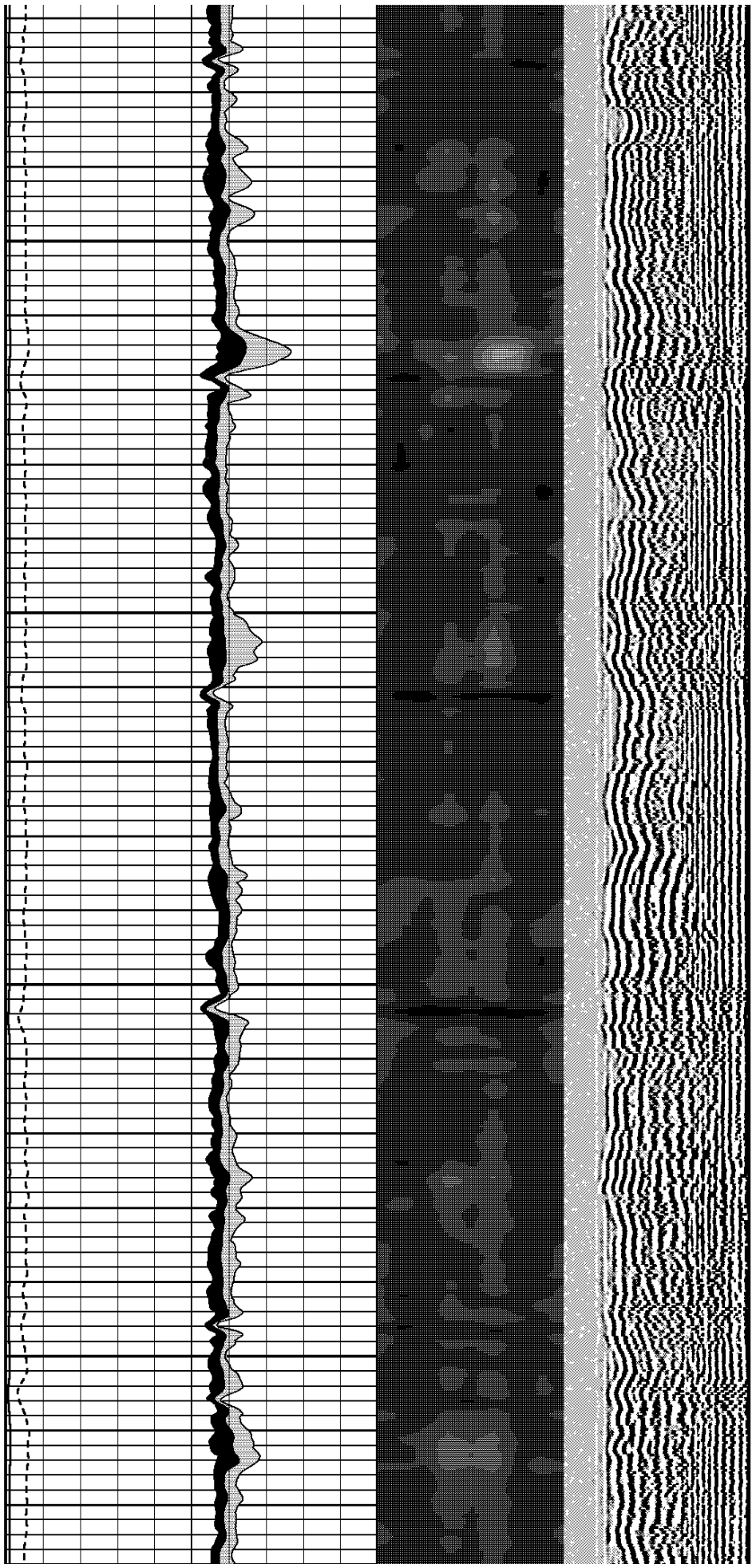
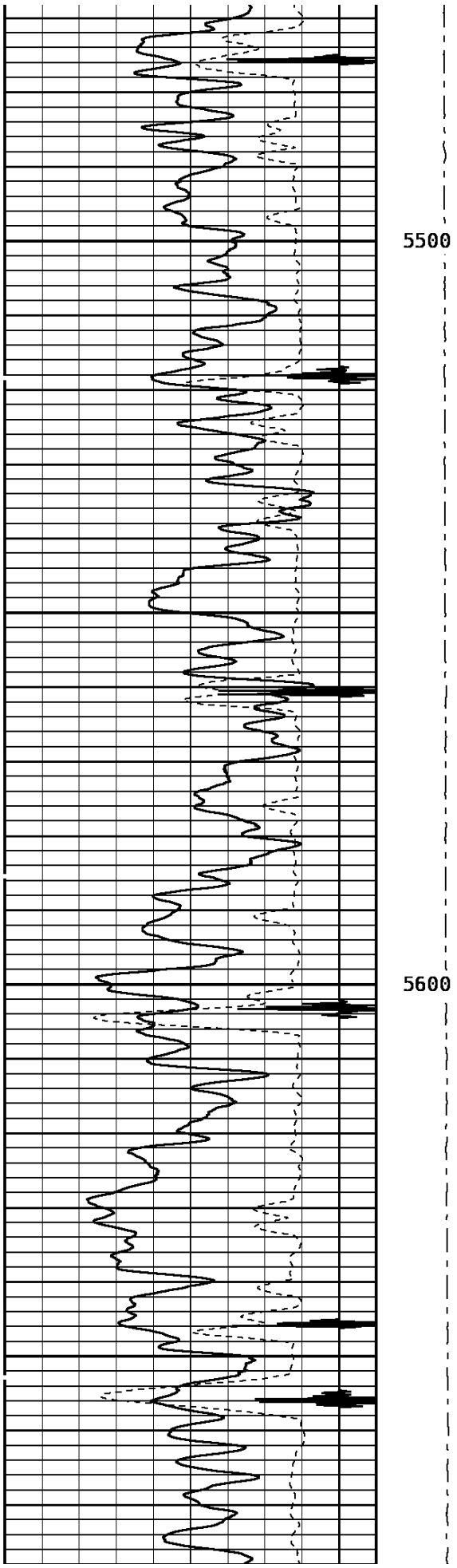


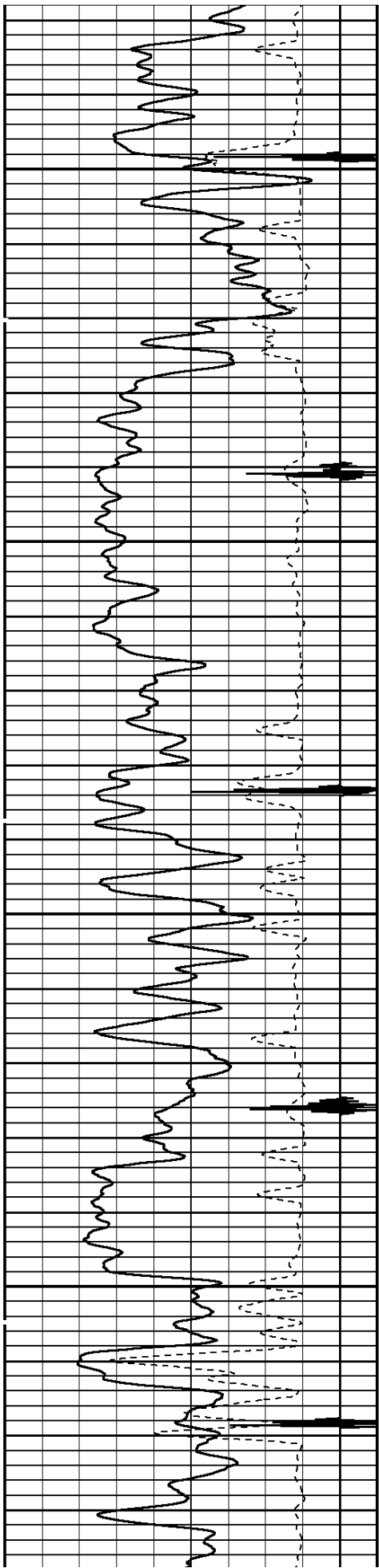


5300

5400

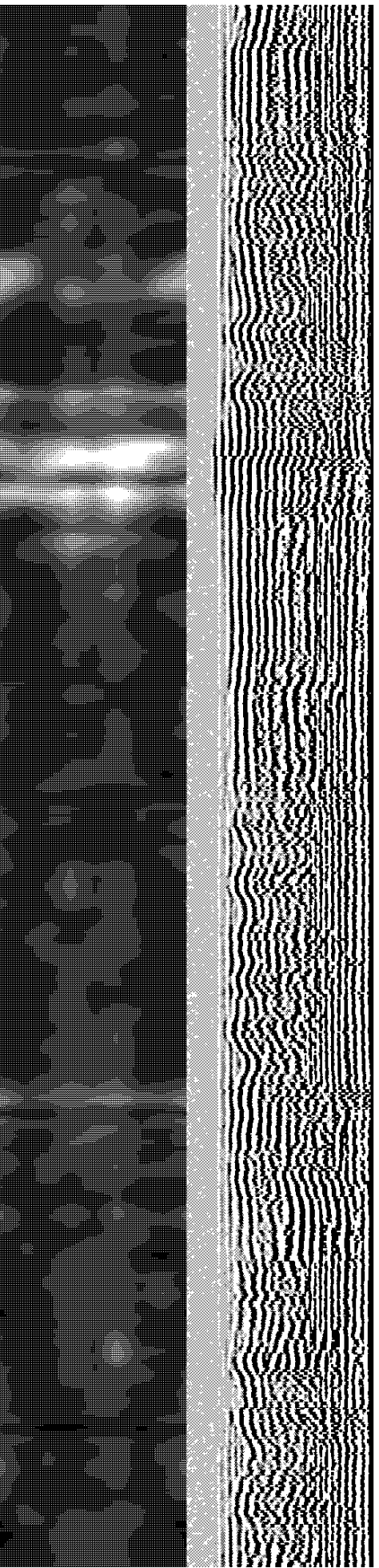
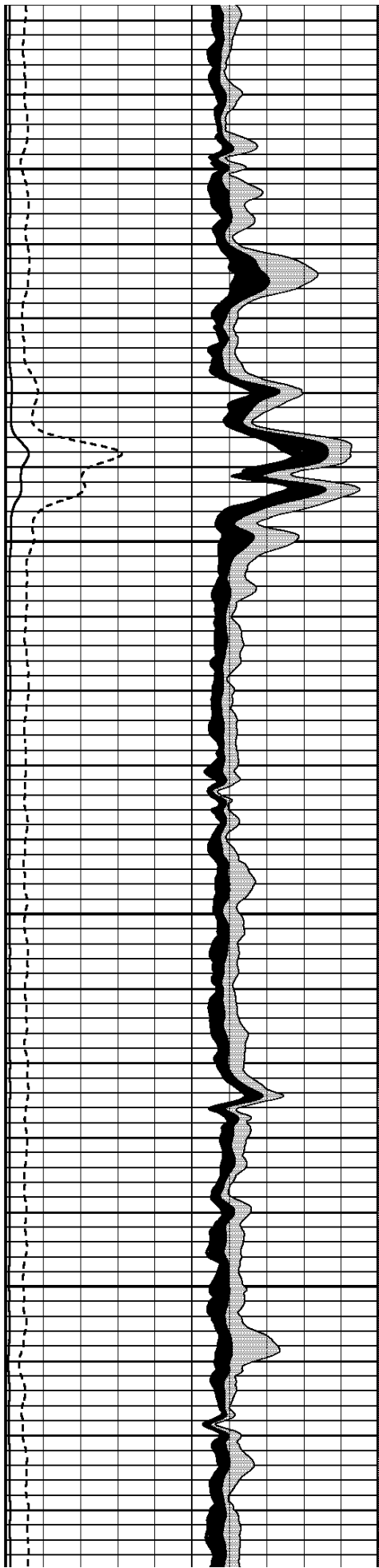


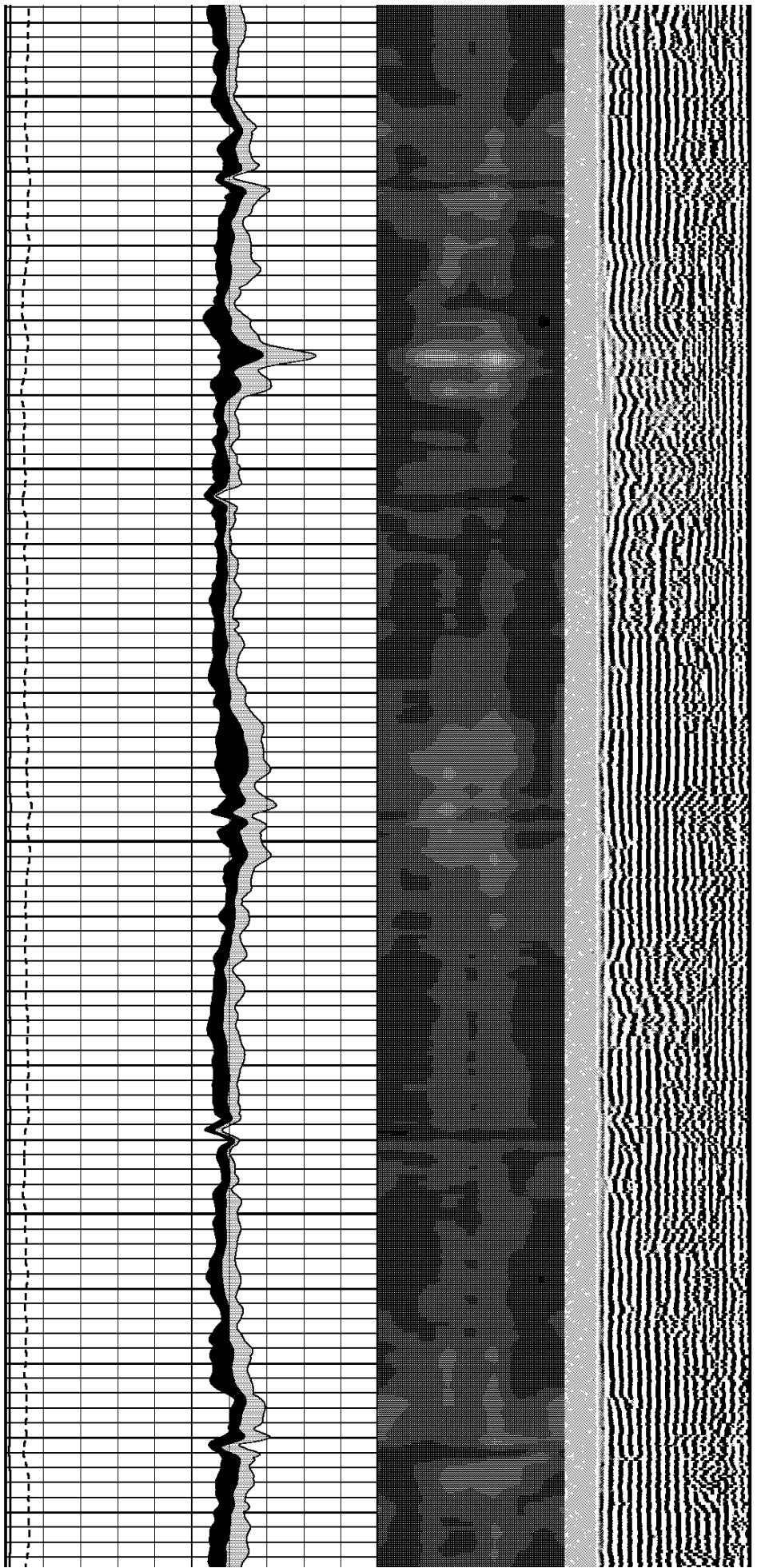
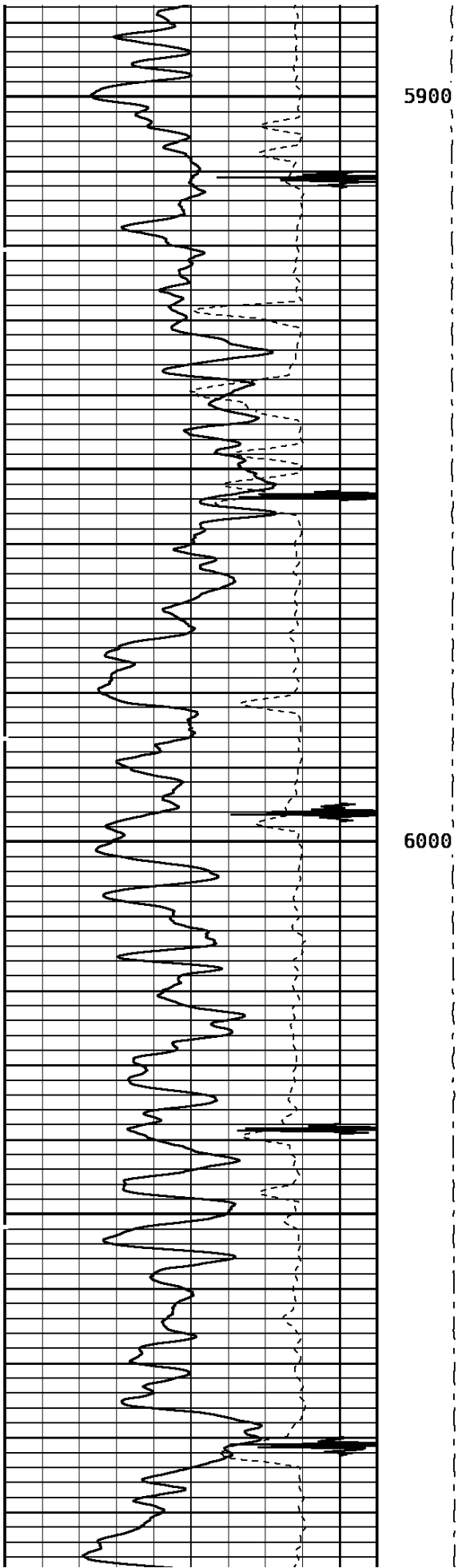


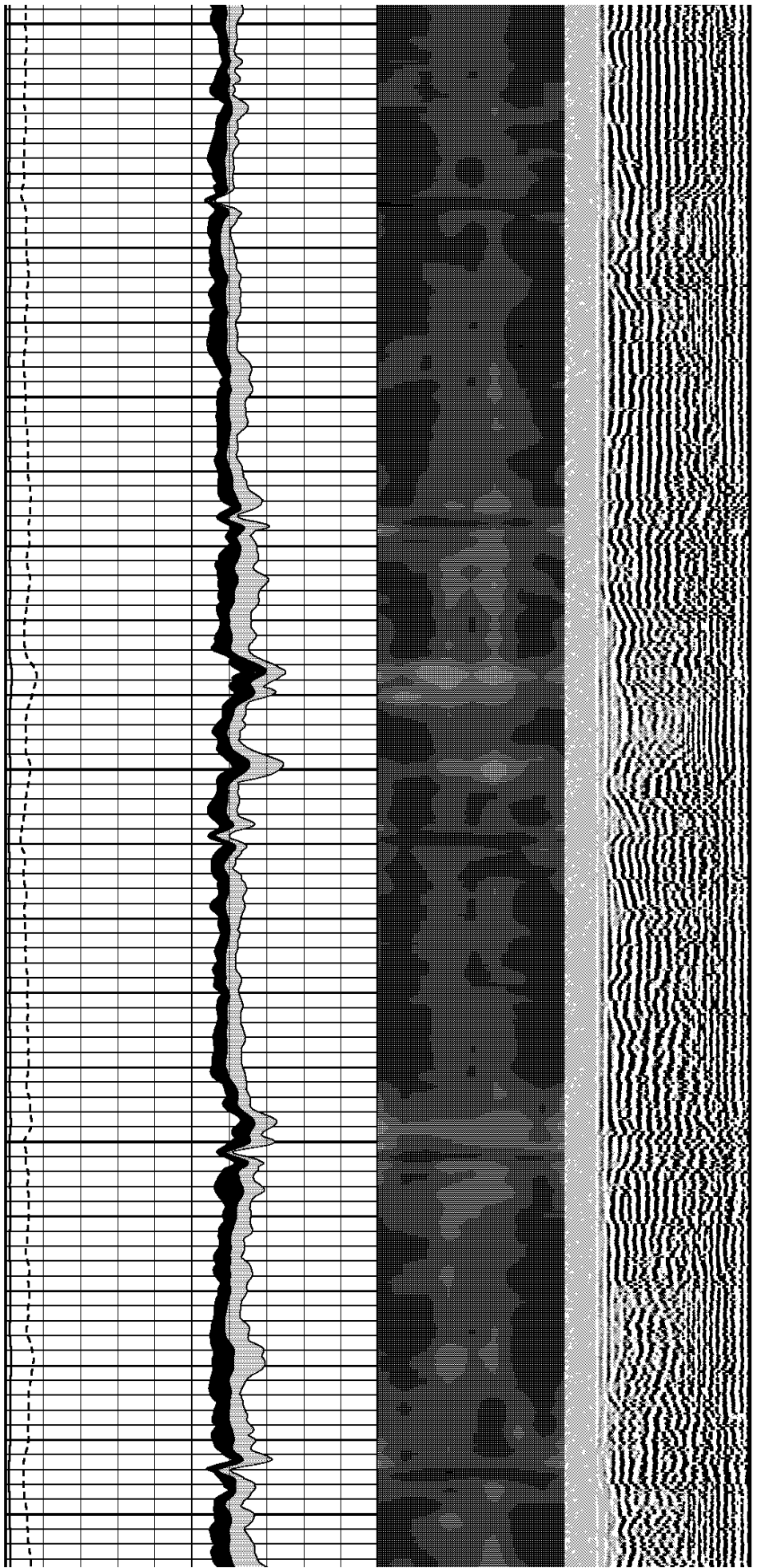
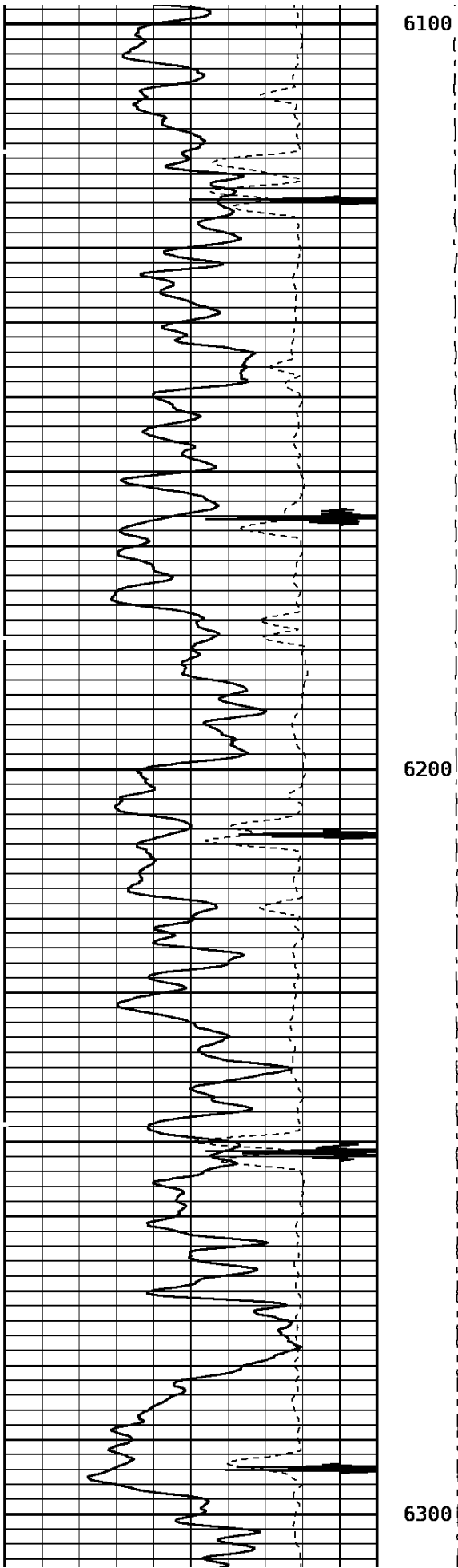


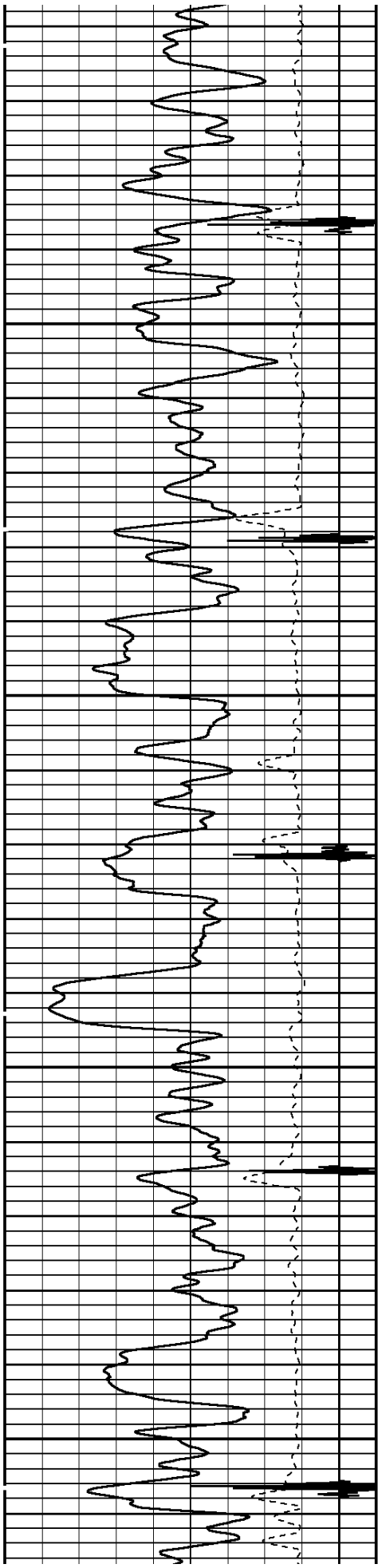
5700

5800



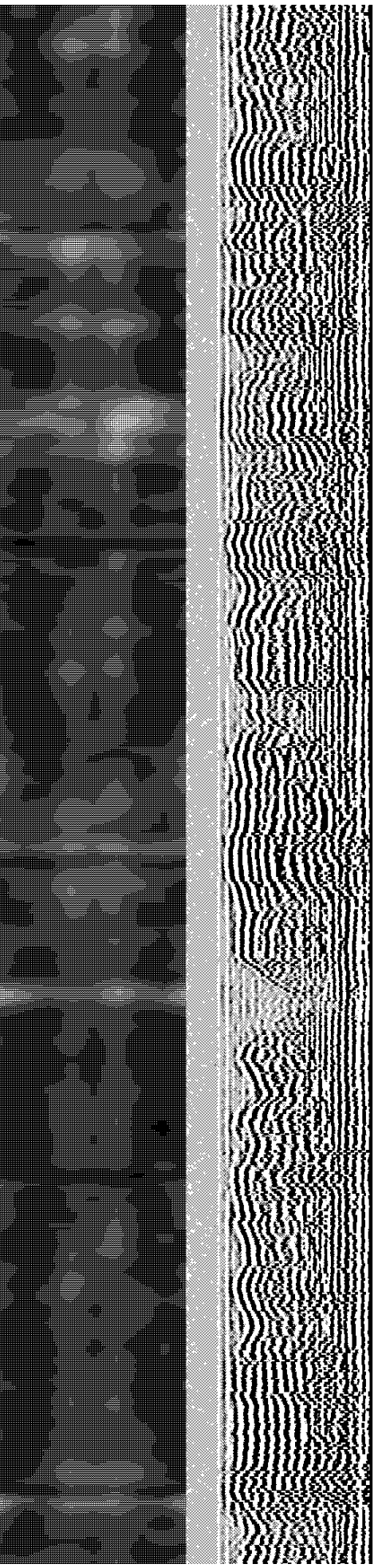
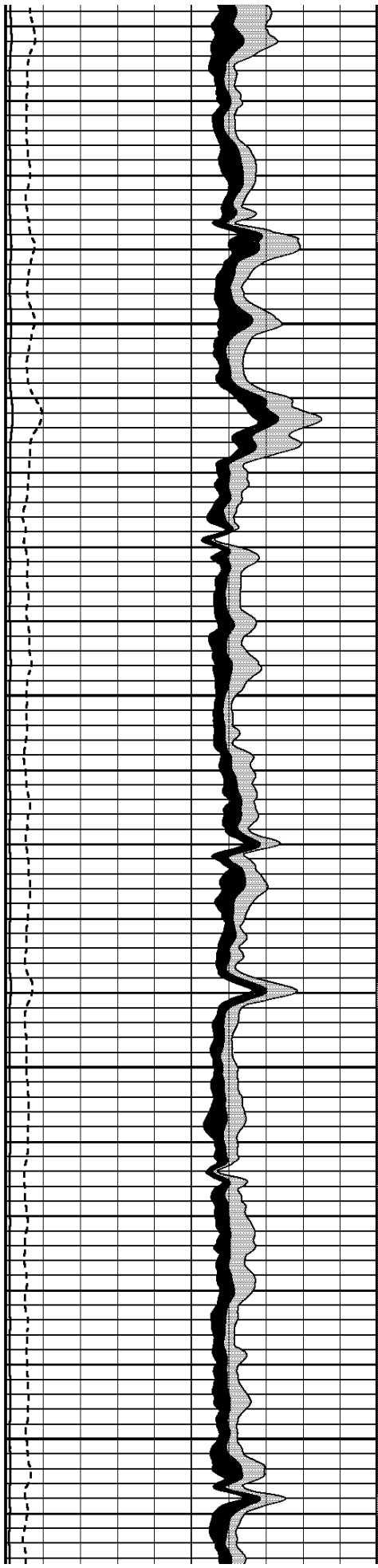


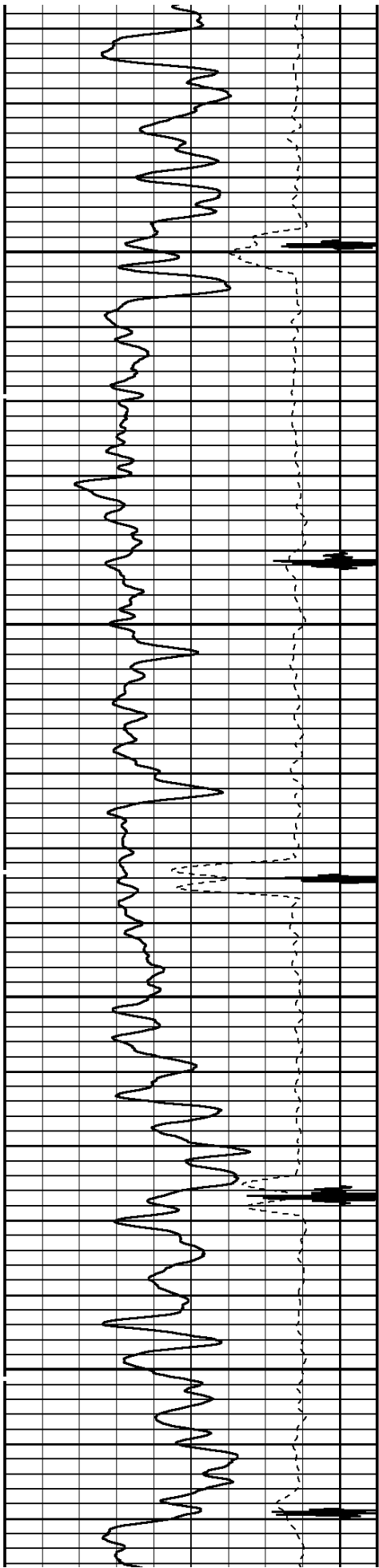




6400

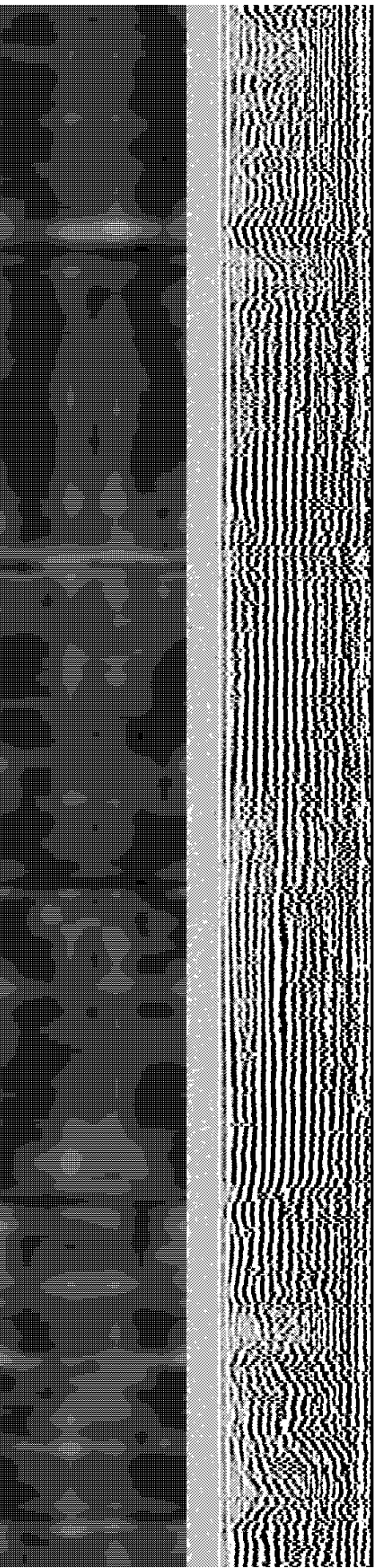
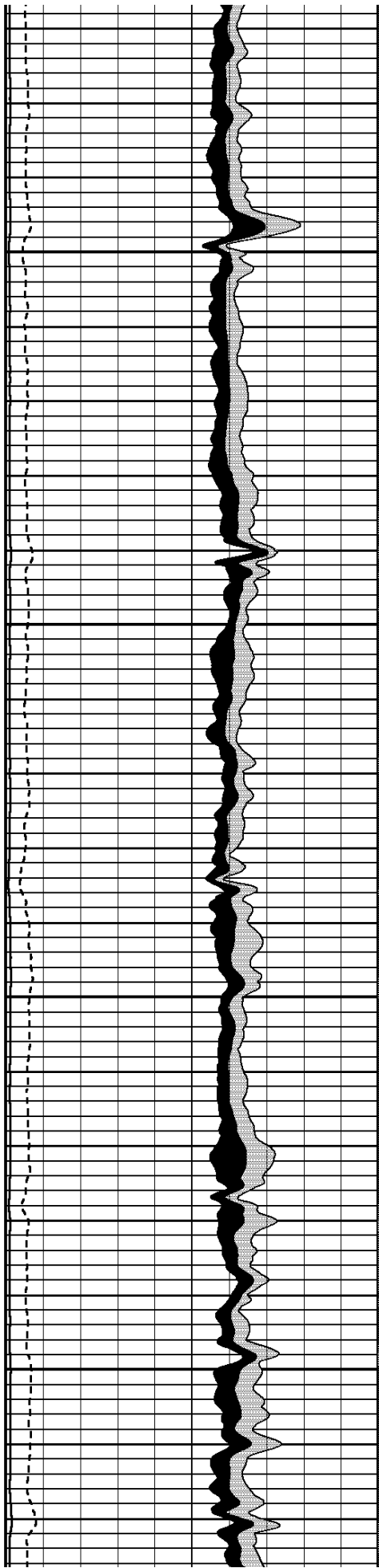
6500

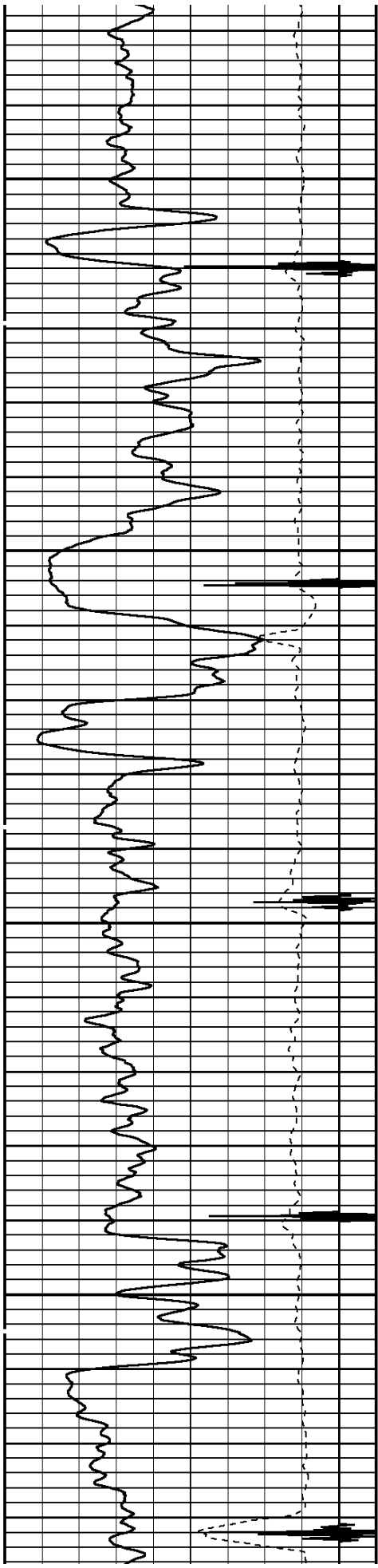




6600

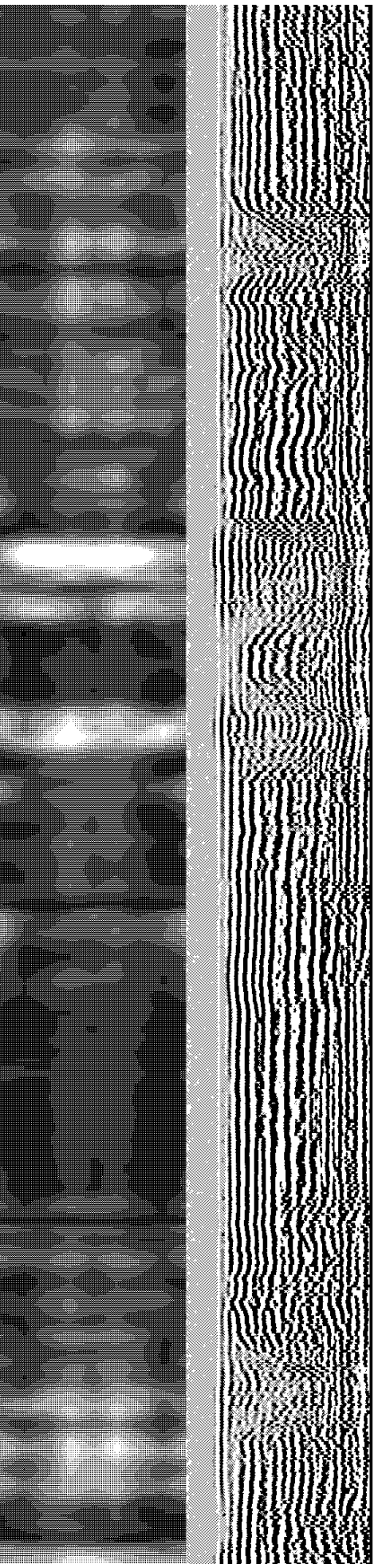
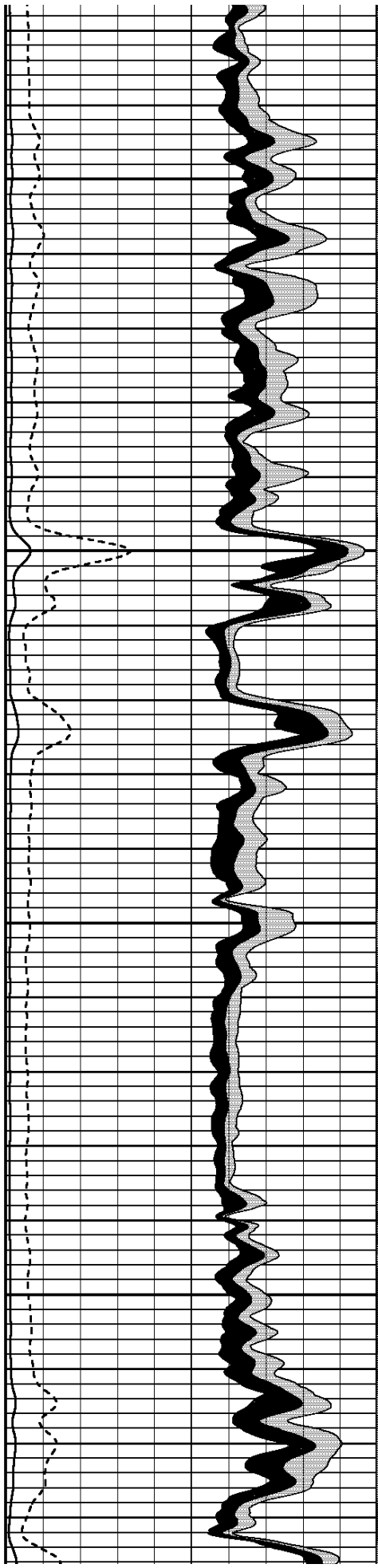
6700

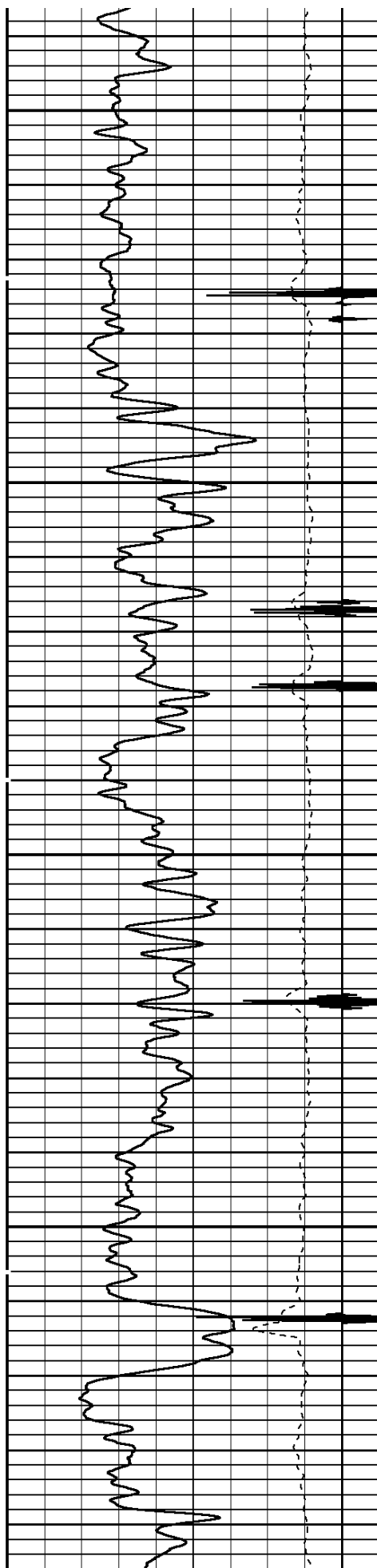




6800

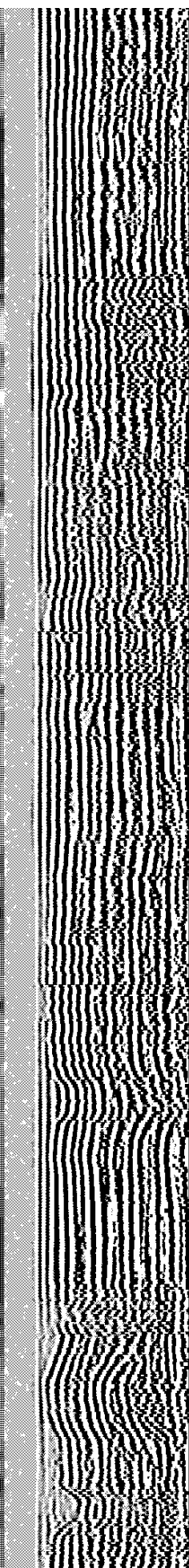
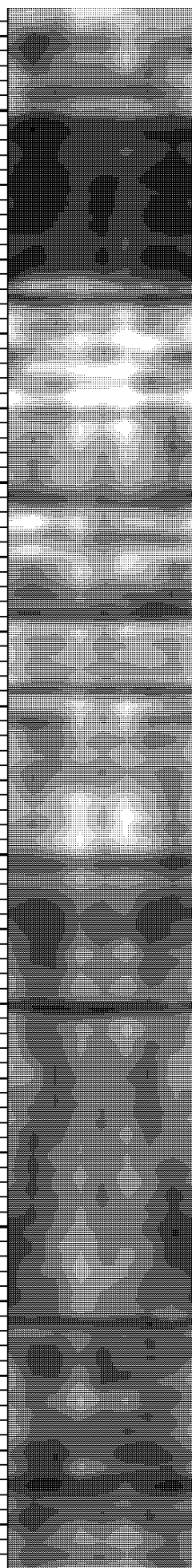
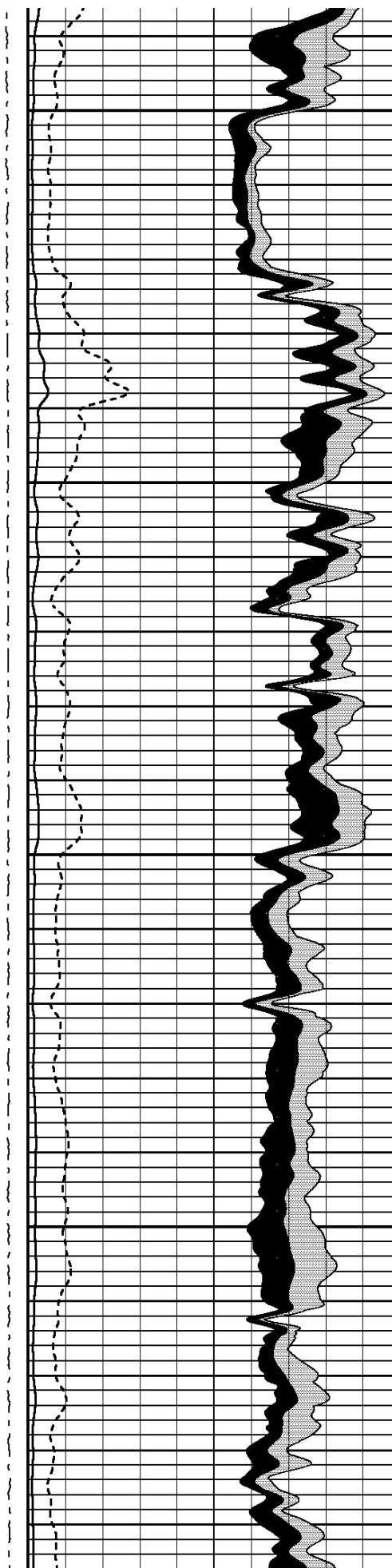
6900





7000

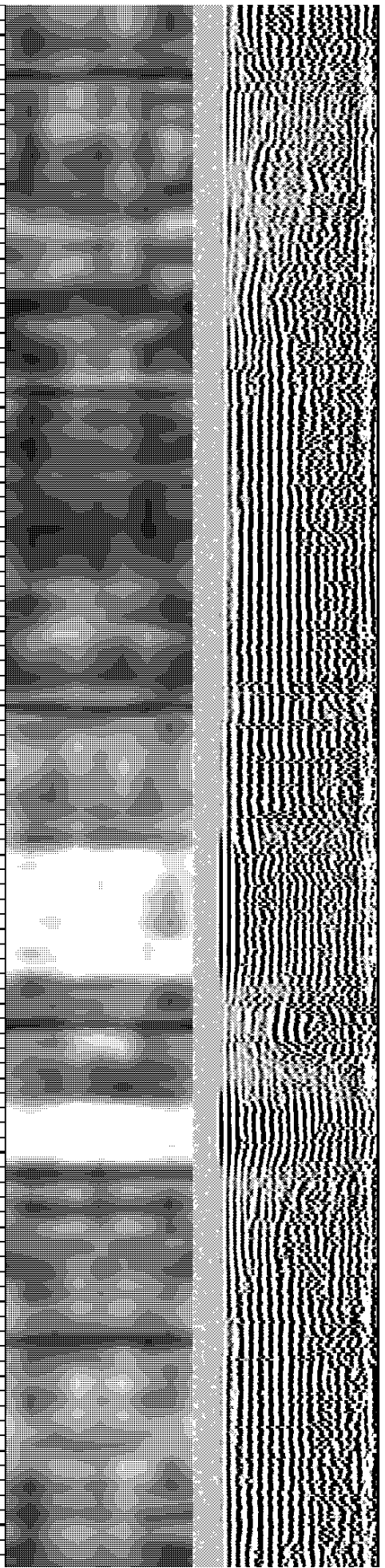
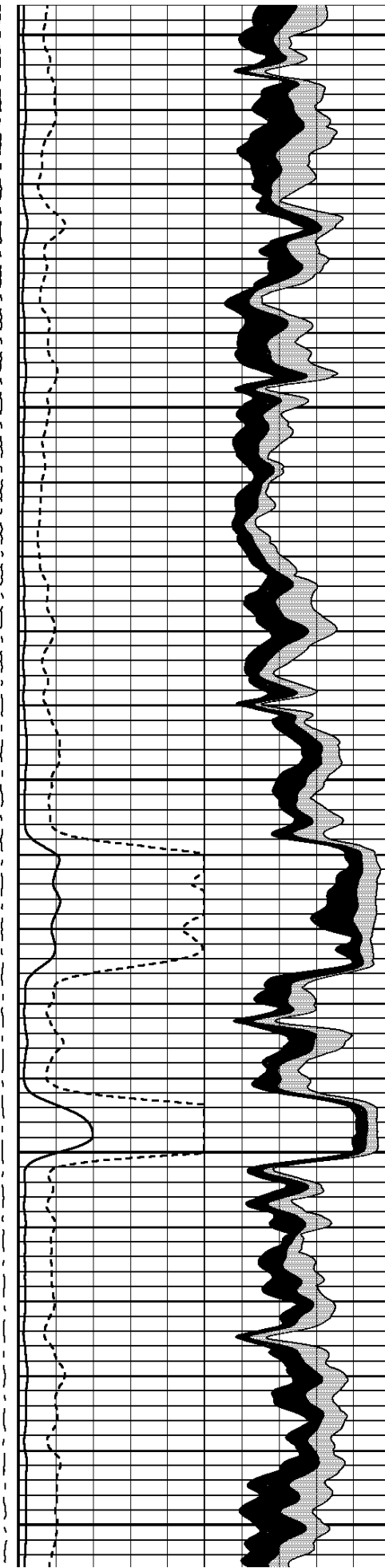
7100

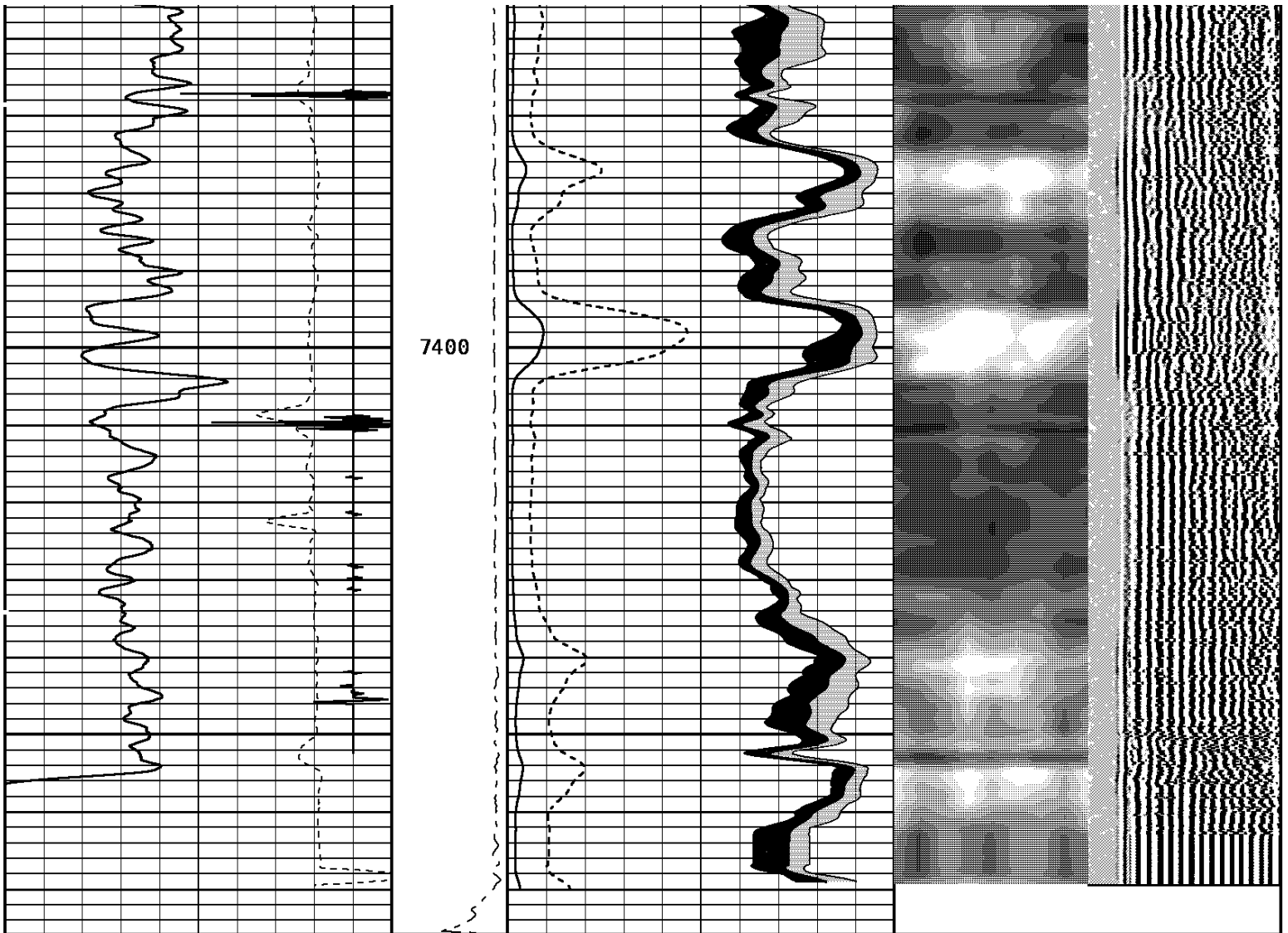




7200

7300





TRAVEL TIME 3FT			Tension		AMPLITUDE 3FT		MIN ENERGY		VARIABLE ENERG		VARIABLE DENSI			
310	Microseconds	210			0	mv	100	0	mv	100	0	mv	80	200
GAMMA RAY					3' AMP X 5		AVG ENERGY							
0	API	150			0	mv	20	0					mv	100
CCL							MAX ENERGY							
-3600	Millivolts	400					0	mv	100					

START DEPTH: **7475.9** DIRECTION: **UP** DATE: **01/19/2015** TIME: **23:12** MODE: **ORIGINAL**

108854831 SBTMAIN

MAIN PASS

DEPTH SCALE: **5":100'** LOGGED VERSION: **2012.07.18.162"**

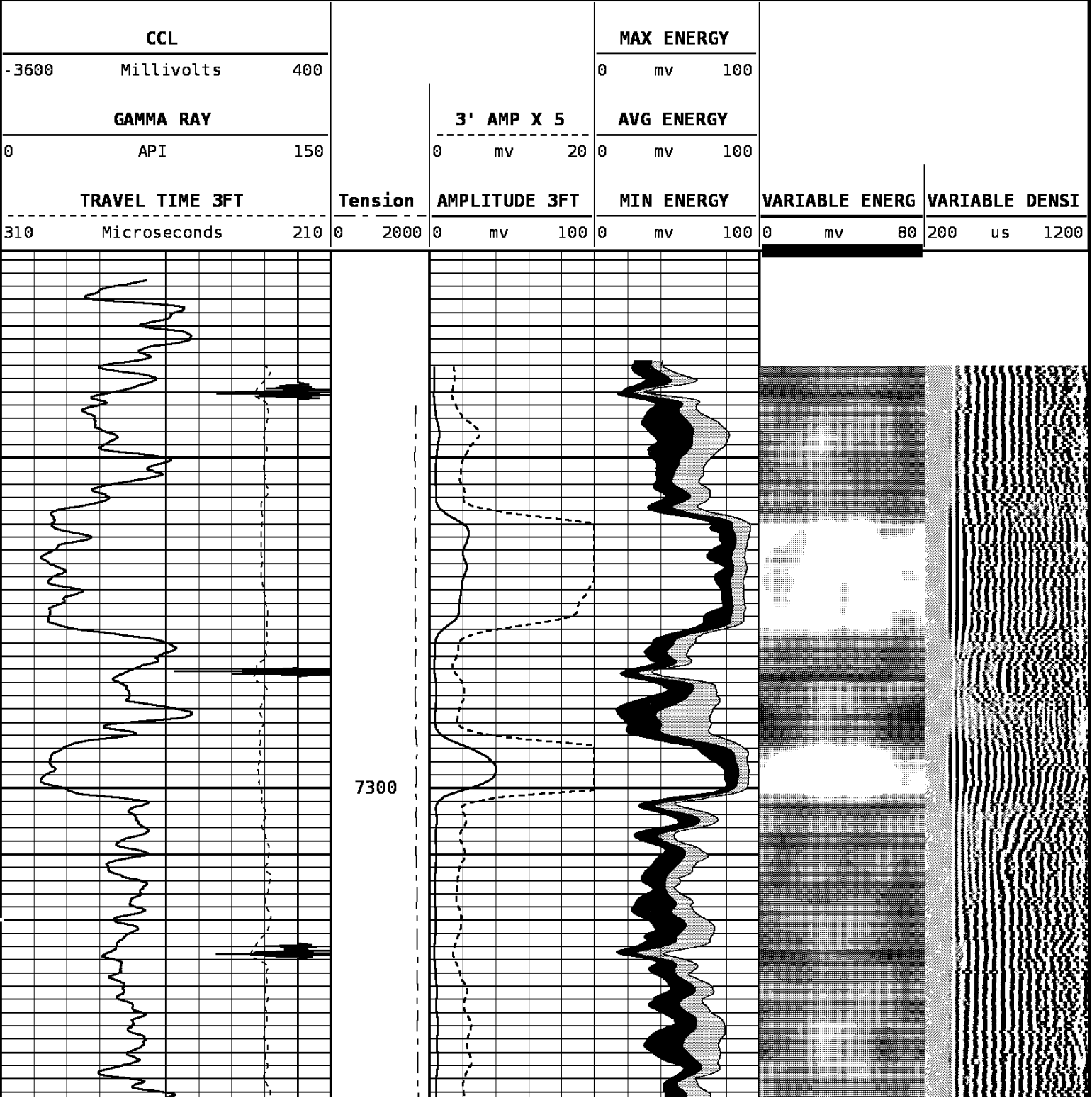
DEPTH SCALE: 5":100'

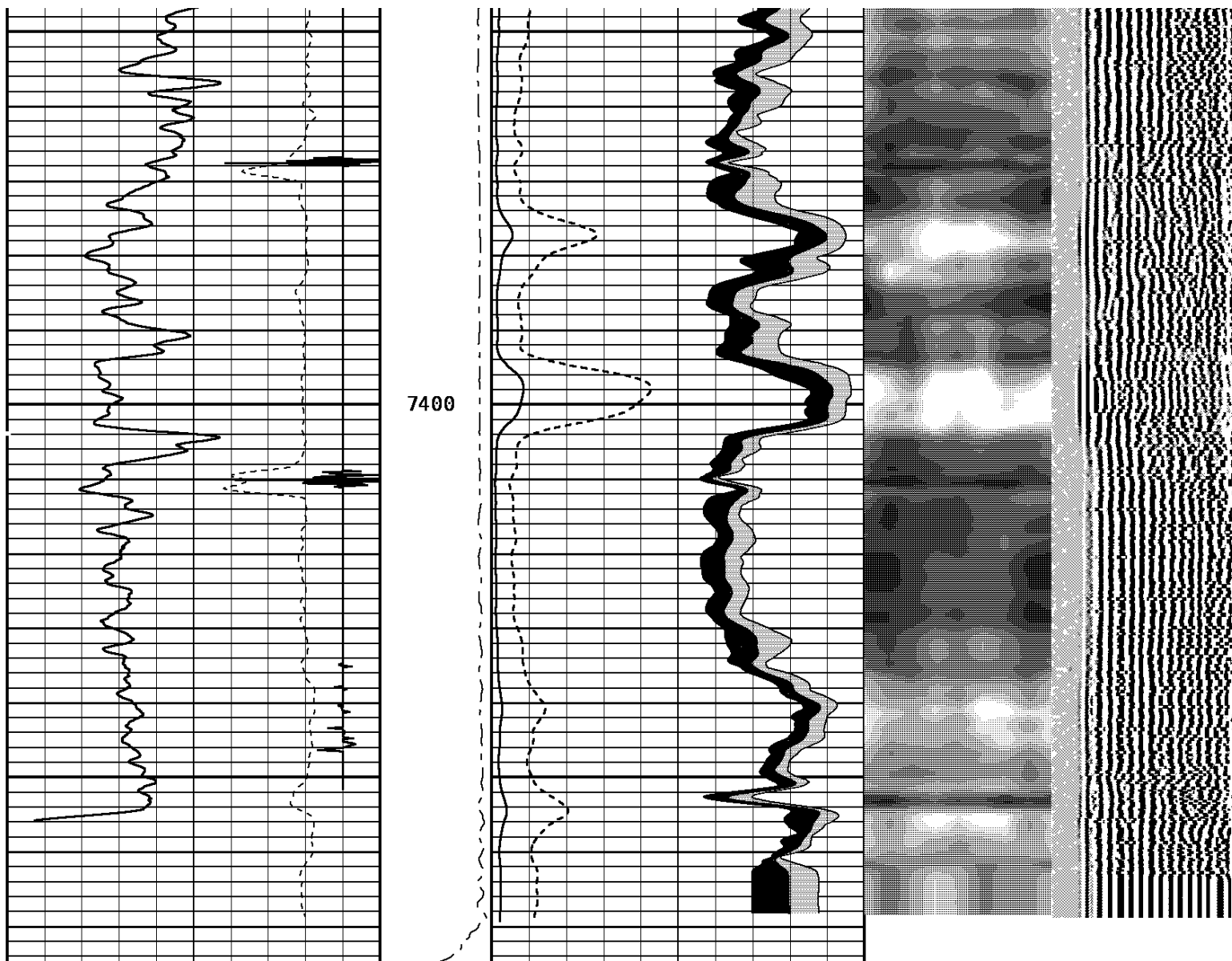
PROCESSED VERSION: 2012.07.18.162"

REPEAT PASS

108854831 SBTREPEAT

FINISH DEPTH: 7218.7 Feet DIRECTION: UP DATE: 01/19/2015 TIME: 23:17 MODE: ORIGINAL





START DEPTH: 7475.1 DIRECTION: UP DATE: 01/19/2015 TIME: 23:17 MODE: ORIGINAL

108854831 SBTREPEAT

REPEAT PASS

DEPTH SCALE: 5":100'

LOGGED VERSION: 2012.07.18.162"

1 7/16 Adapter Head

Weight 2.2 LB.
Length 2.54
Max. Diameter 1.44 IN.

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

Slim Hole Centralizer

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

Collar Locator

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

Slim Hole Gamma Ray

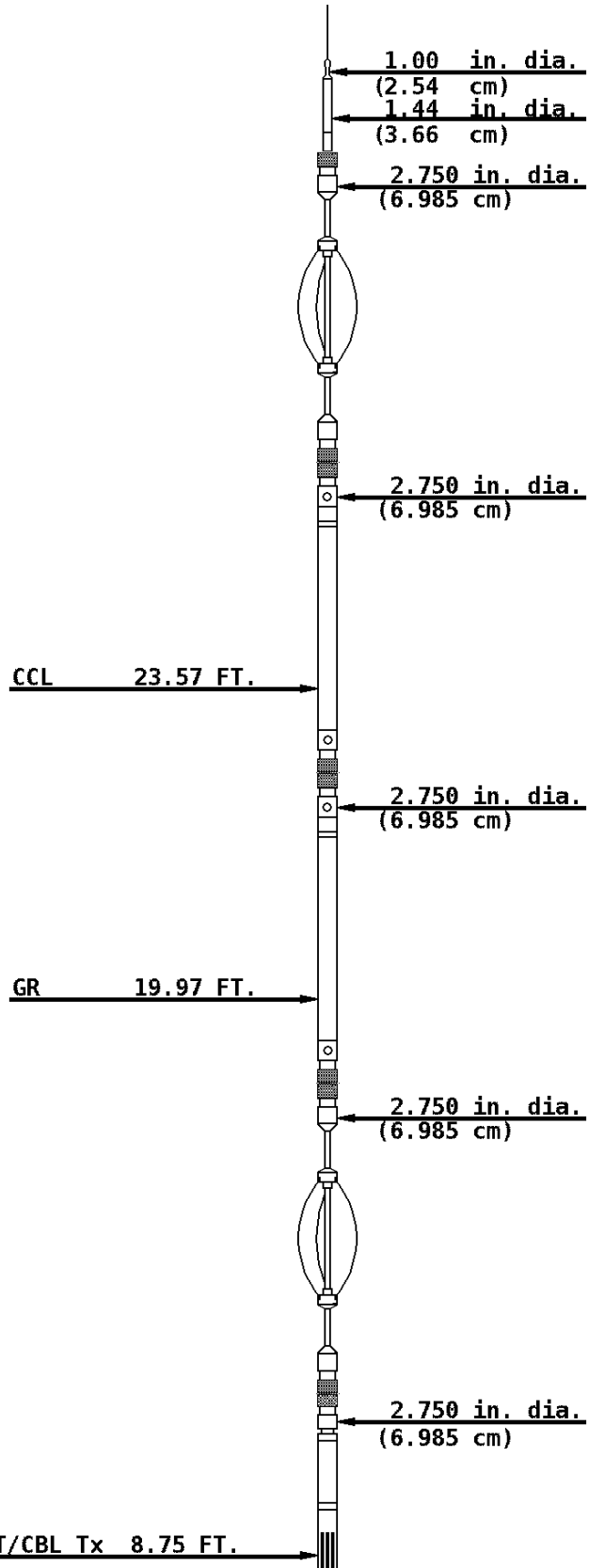
Weight 39.8 LBS.
Length 4.71 FT.
Max. Diameter 2.750 IN.

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.

SBT Rx 7.77 FT.

3' Rx 7.28 FT.

5' Rx 6.28 FT.

2.750 in. dia.
(6.985 cm)

Slim Hole Centralizer

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

Tool Zero

COMPANY	URSA OPERATING COMPANY		
WELL	VALLEY FARMS 34D-11-06-92		
FIELD	GRAVEL TREAD		
COUNTY	GARFIELD	STATE	COLORADO



Weatherford®