

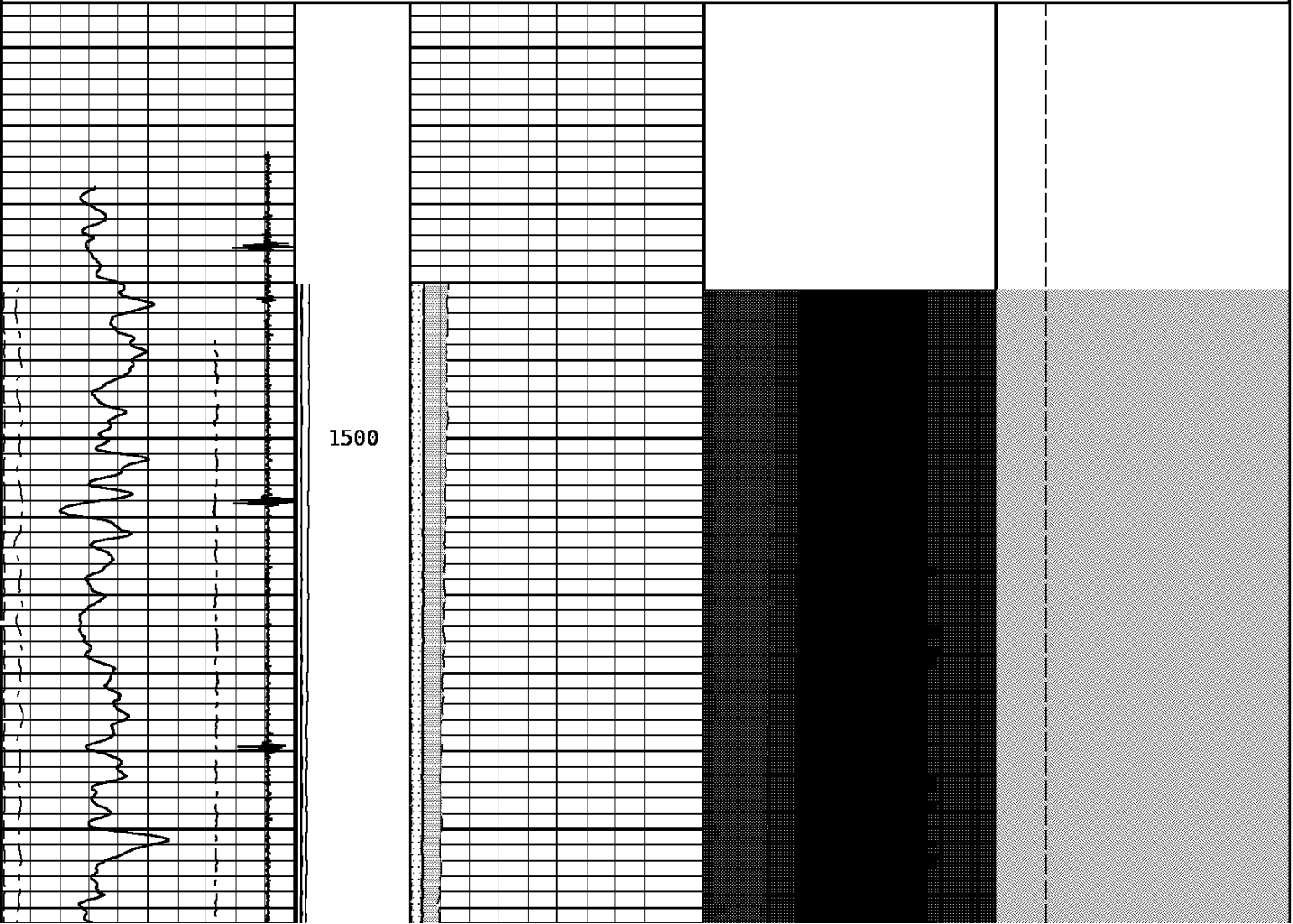
COMPANY COLORADO INTERSTATE GAS					
WELL FLANK #16					
FIELD FLANK					
CNTY BACA STATE CO					
COUNTY BACA					
LOCATION:					
SEC. 17 TWP 34S RGE42W					
ELEV.: K.B. 3746 D.F. N/A G.L. 3735					
PERM. DATUM GROUND LEVEL ELEV. 3735					
LOG MEASURED FROM K.B. 11 FT. ABOVE PERMANENT DATUM					
DRILLING MEASURED FROM K.B.					
DATE	30-JULY-2009				
RUN NO.	ONE				
DEPTH DRILLER	4688				
DEPTH LOGGER	4635				
BTM. LOG INTERVAL	4630				
TOP LOG INTERVAL	1500				
OPEN HOLE SIZE	7.875				
TYPE FLUID	WATER				
DENS. VISC.	N/A	N/A			
MAX. REC. TEMP. F	N/A				
EST. CEMENT TOP	N/A				
TIME WELL READY	11:00				
TIME LOGGER ON BTM.	SEE LOG				
EQUIP. NO.	14106				
LOCATION	WMD, OK				
RECORDED BY	E. HULL				
WITNESSED BY	MR. SID KRAIER				
BOREHOLE RECORD					
RUN NO.	BIT	FROM	TO	SIZE	TUBING RECORD
					WGT. FROM TO
CASING RECORD	SIZE	WT./FT	GRADE	TYPE JOINT	TOP BOTTOM
SURFACE STRING	8.625	24	J-55		SURF 409
PROD. STRING					
PROD. STRING	4.5	9.5	J-55		SURF 4682
LINER					

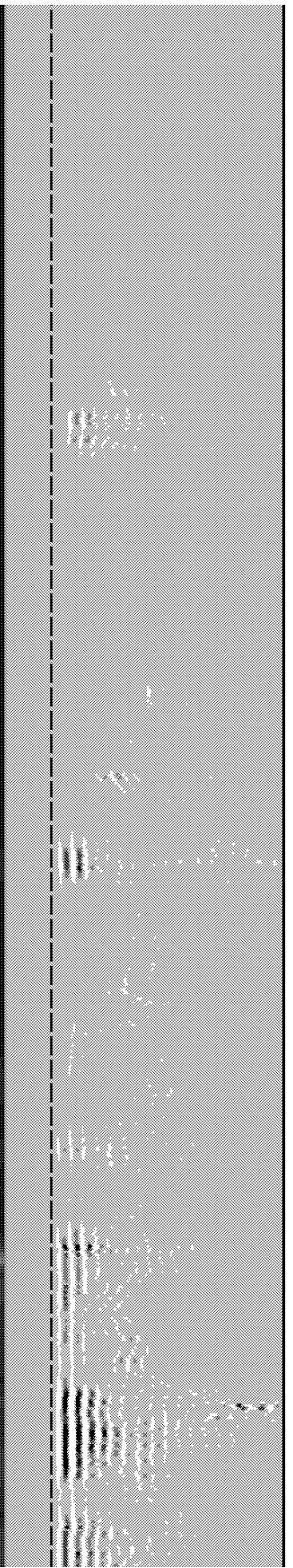
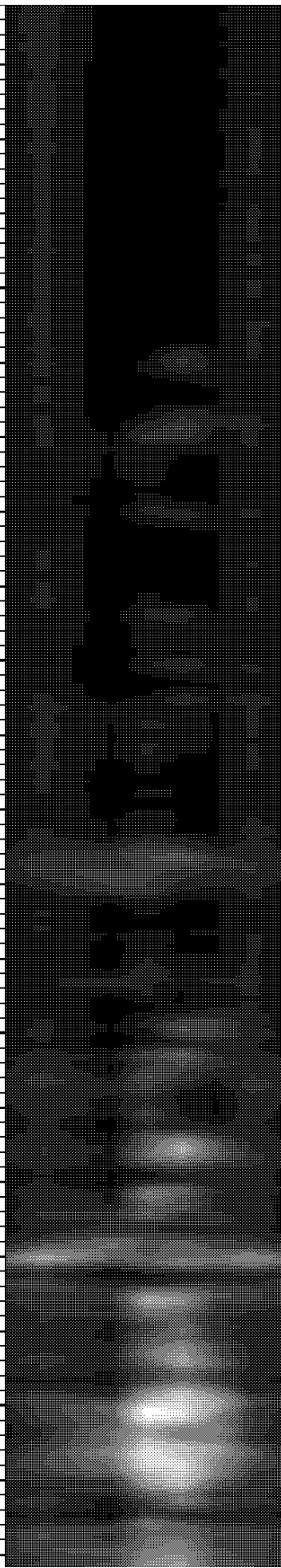
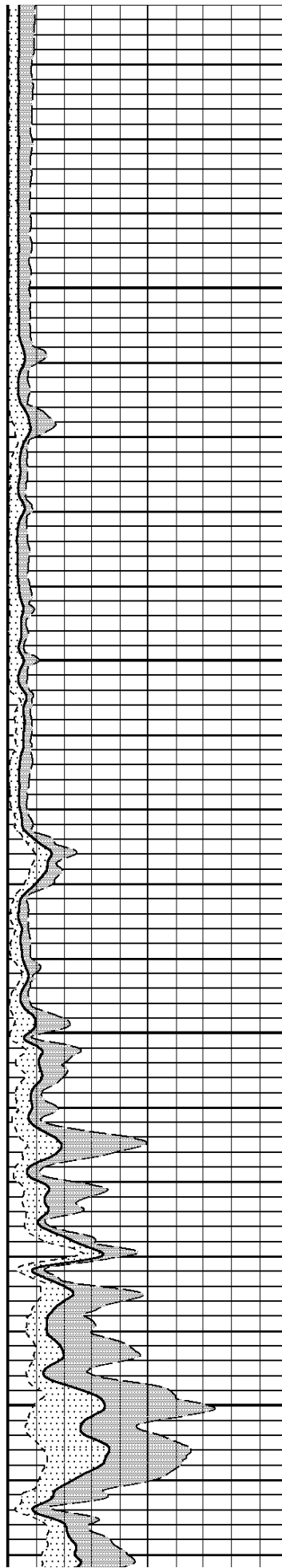
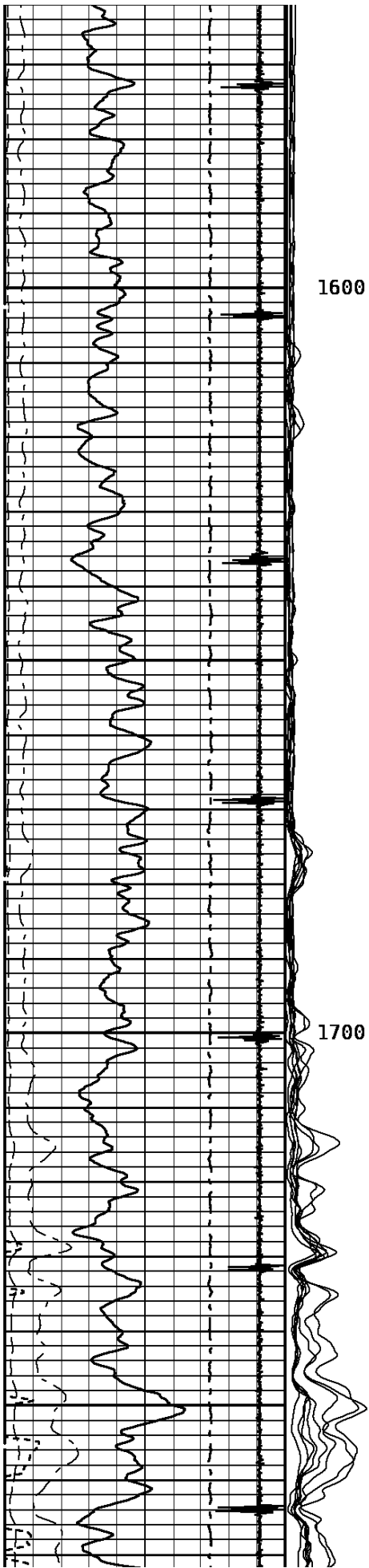
All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone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

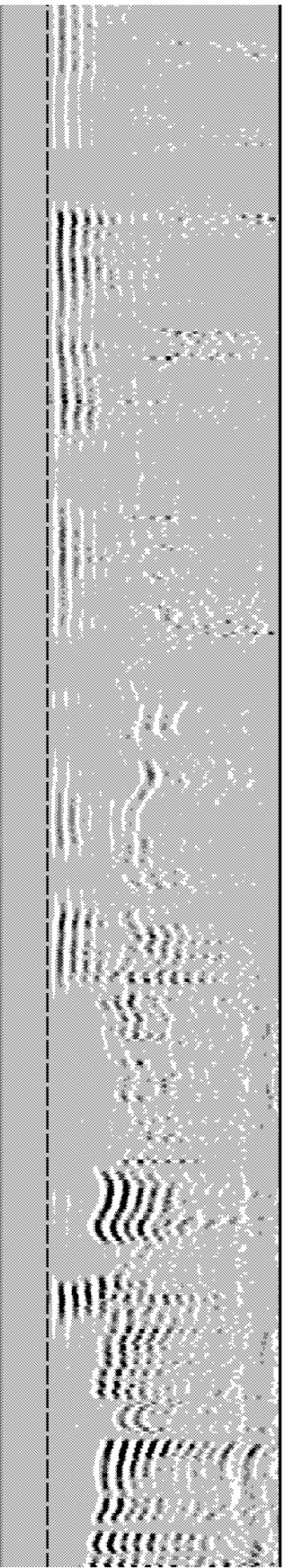
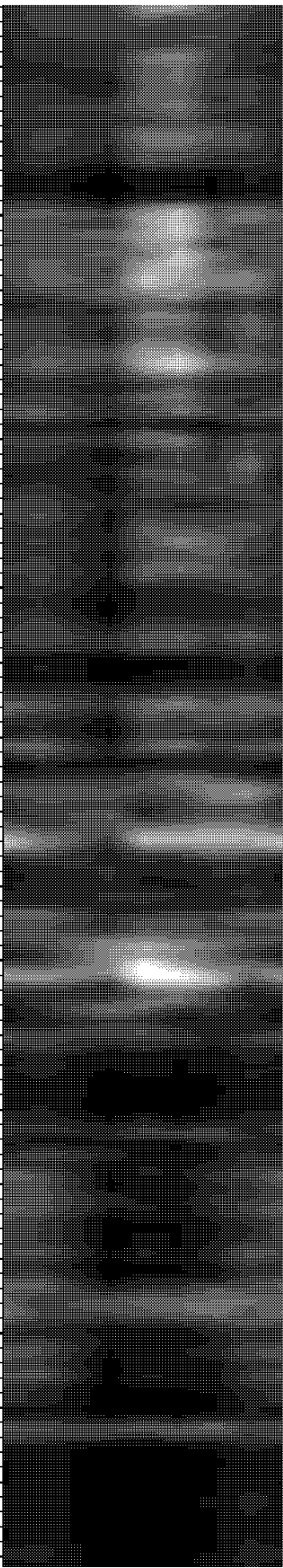
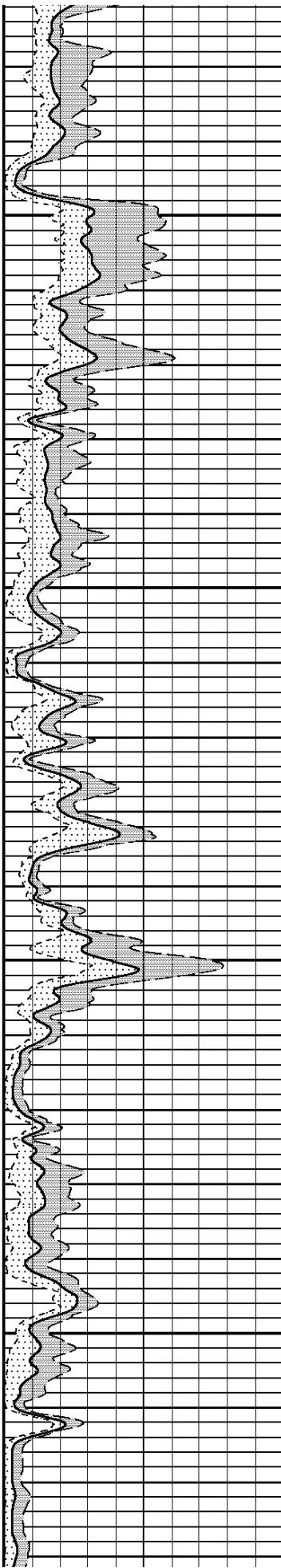
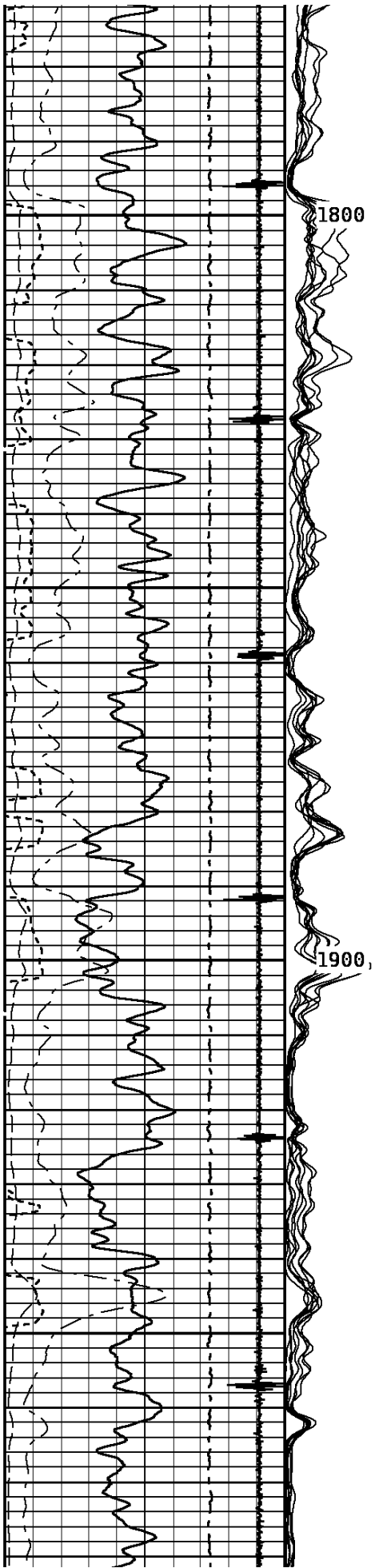
REMARKS: LOG CORRELATED TH BAKER ATLAS NEUTRON GAMMA RAY DATED 13-DEC-2000.

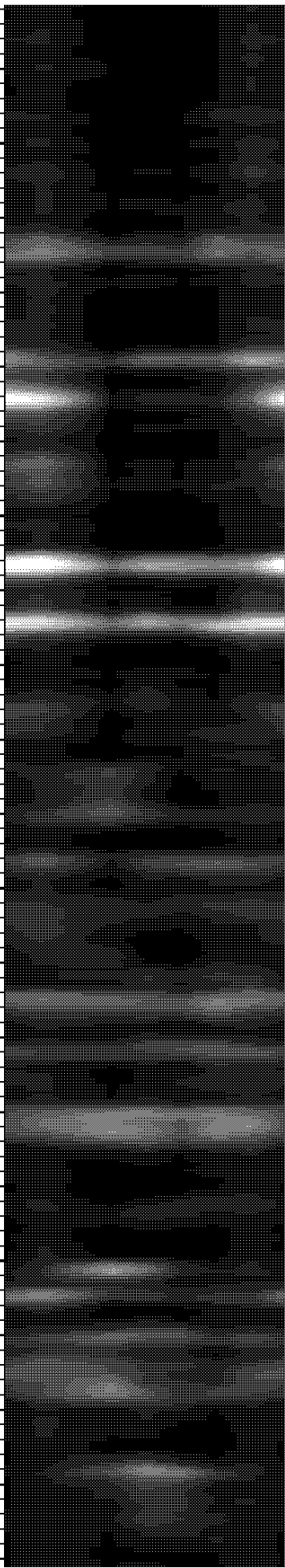
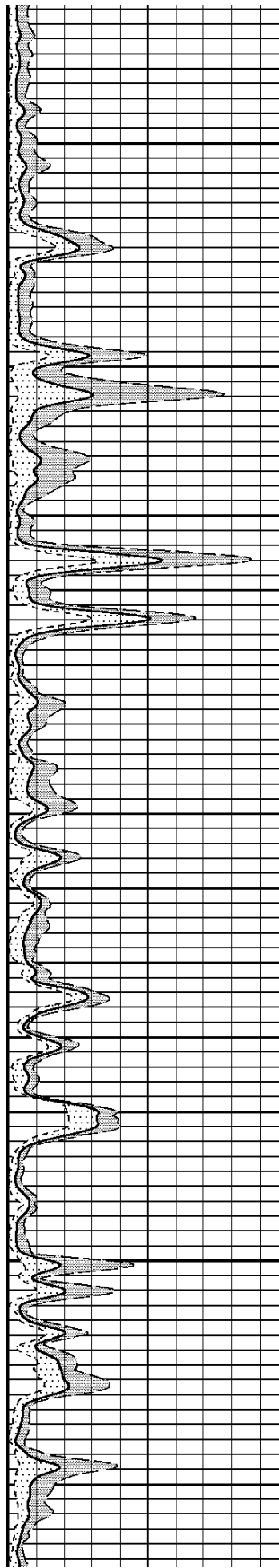
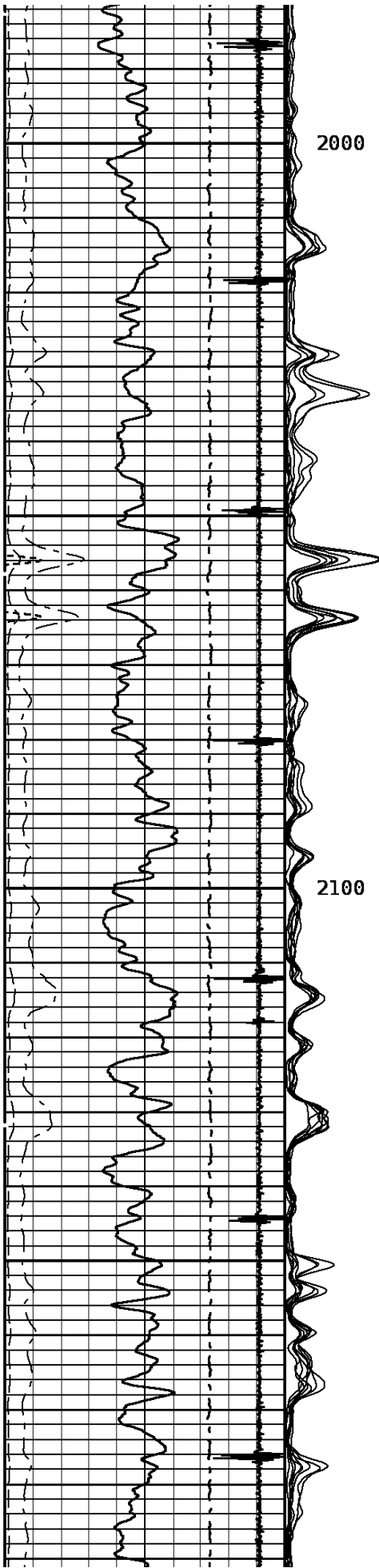
REMARKS		
MAIN LOG		
DEPTH SCALE: 5":100'		VERSION: 80214133R"
162177		
FINISH DEPTH: 1444.4 Feet DIRECTION: UP DATE: 07/30/2009 TIME: 16:41 MODE: TRACE PLAYBACK		
	SECTOR #	
	0 100	
	SECTOR #	
	0 100	
MC:AMPLITUDE 3FT	SECTOR #	
0 Millivolts 20	0 100	
	SECTOR #	
0.0 100.0	0 100	
TENSION	SECTOR #	
200 Pounds 500	0 100	
CCL	SECTOR #	
-7500 Millivolts 750	0 100	
GAMMA RAY	SECTOR #	
0 API 150	0 100	
TT3	SECTOR #	
250 Microseconds 150	0 100	
AMPLITUDE 3FT	SECTOR #	

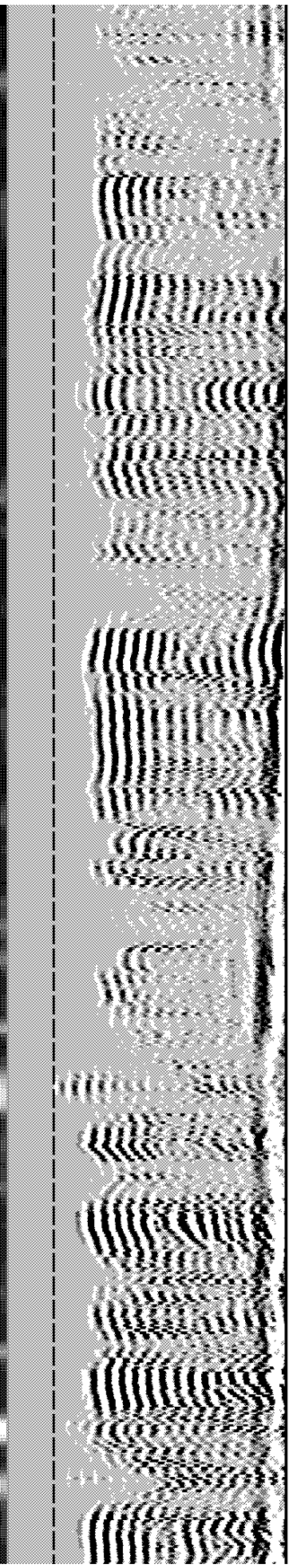
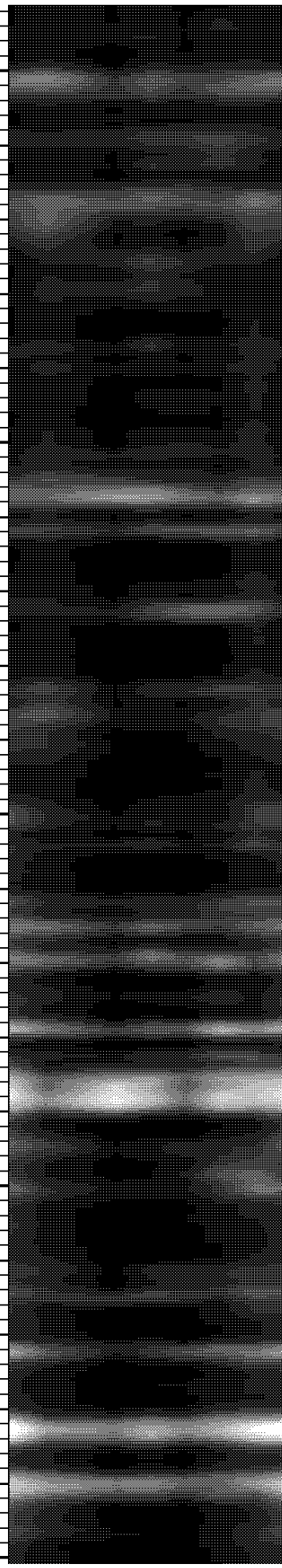
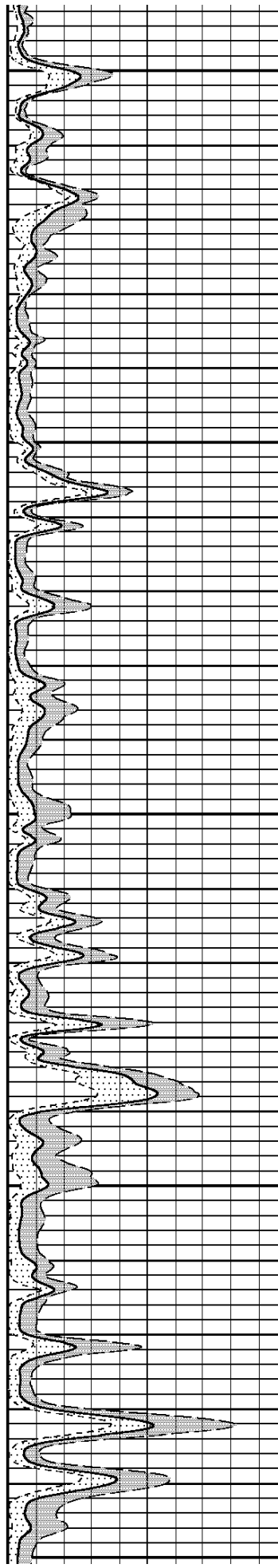
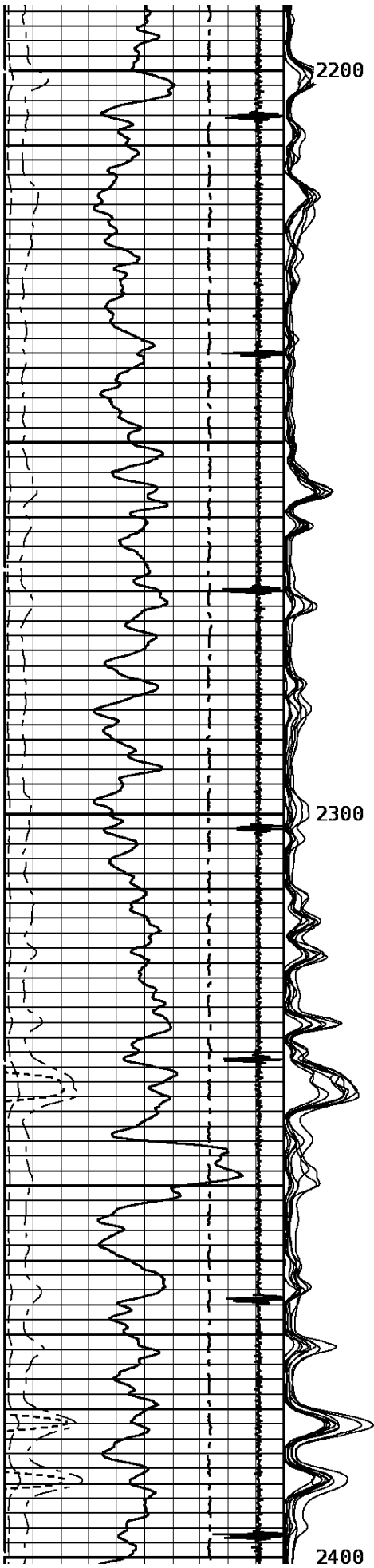
0	Millivolts	100	0	100				
MC:AMPLITUDE 3FT			SECTOR #					
0	Millivolts	20	0	100				
			SECTOR #		MAX ENERGY			
0.0		100.0	0	100	0	Millivolts	100	
TENSION			SECTOR #		AVG ENERGY			
200	Pounds	500	0	100	0	Millivolts	100	
CCL			SECTOR #		MIN ENERGY			
-7500	Millivolts	750	0	100	0	Millivolts	100	
GAMMA RAY			SECTOR #		MAX ENERGY			
0	API	150	0	100	0	Millivolts	100	
TT3			SECTOR #		AVG ENERGY	VARIABLE ENERGY	VDL5	
250	Microseconds	150	0	100	0	Millivolts	70	200 Microseconds 1200
AMPLITUDE 3FT			SECTOR #		MIN ENERGY	VARIABLE ENERGY	VDL5	
0	Millivolts	100	0	100	0	Millivolts	70	200 Microseconds 1200

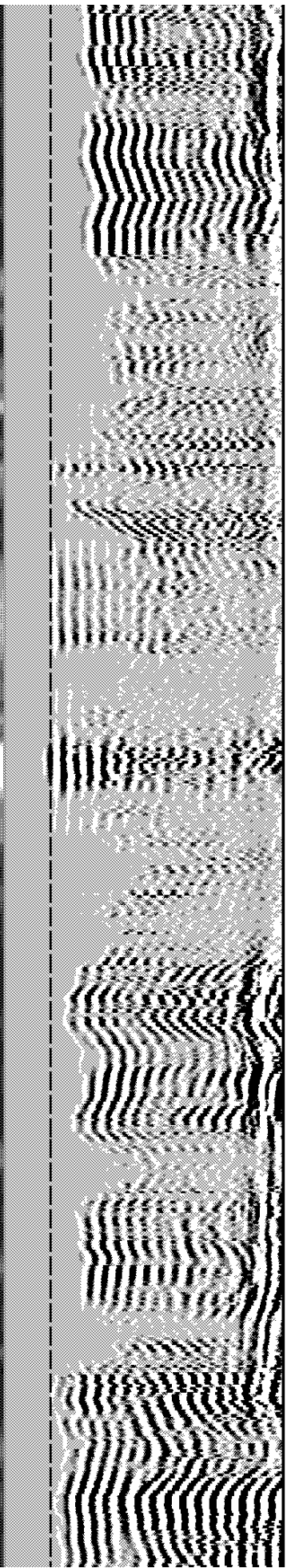
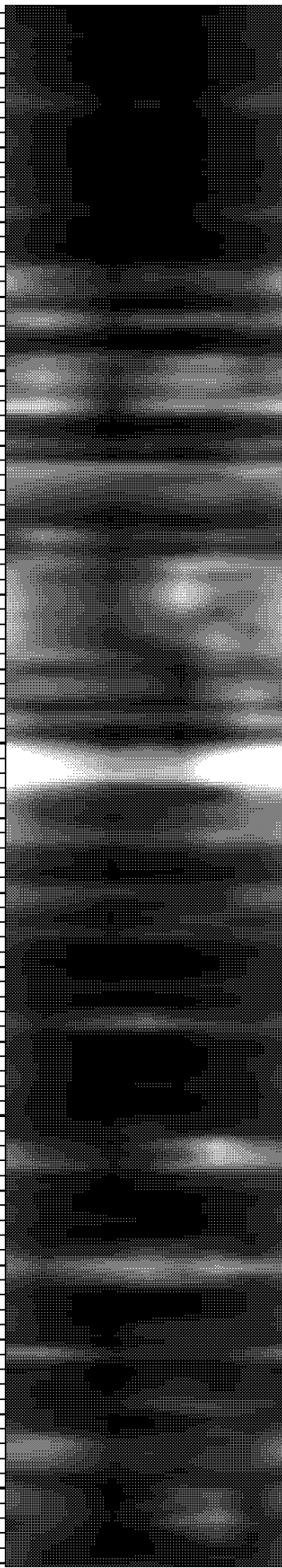
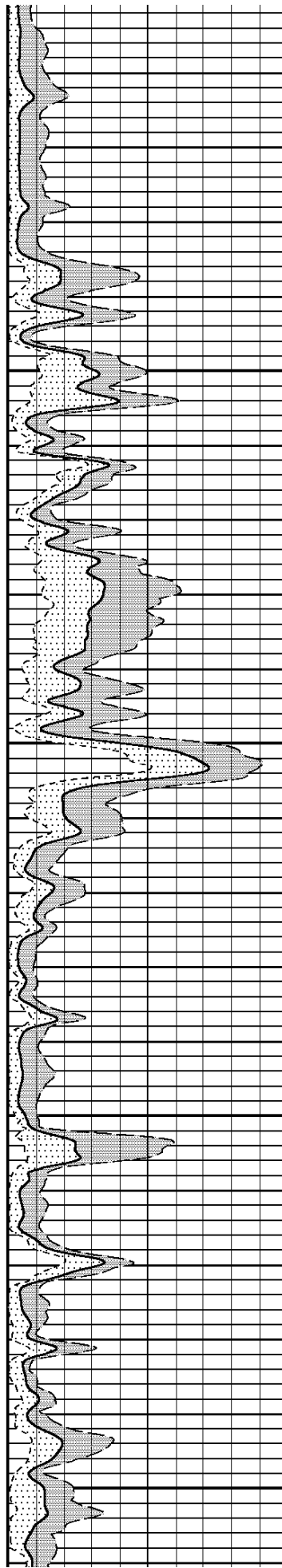
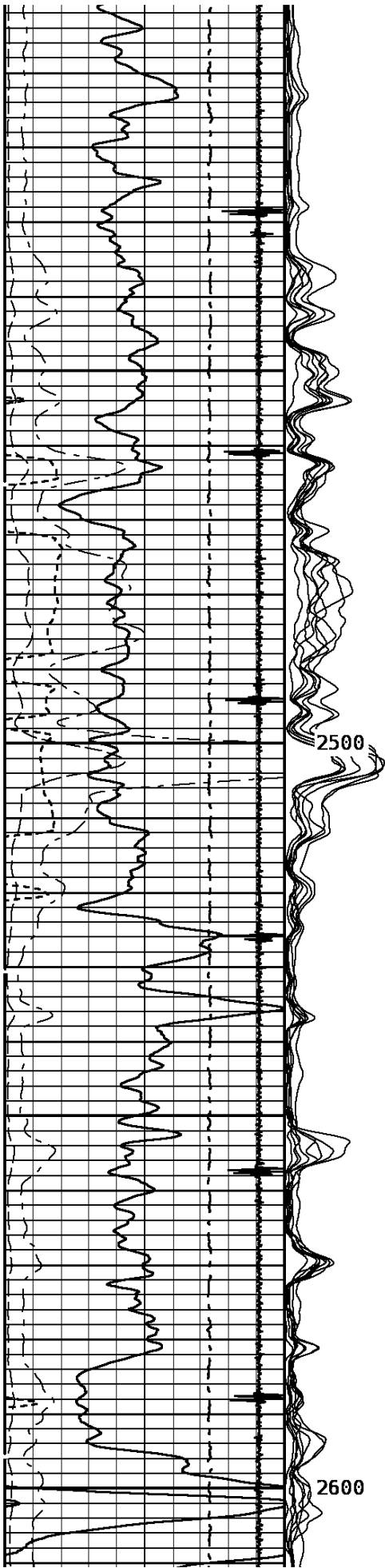


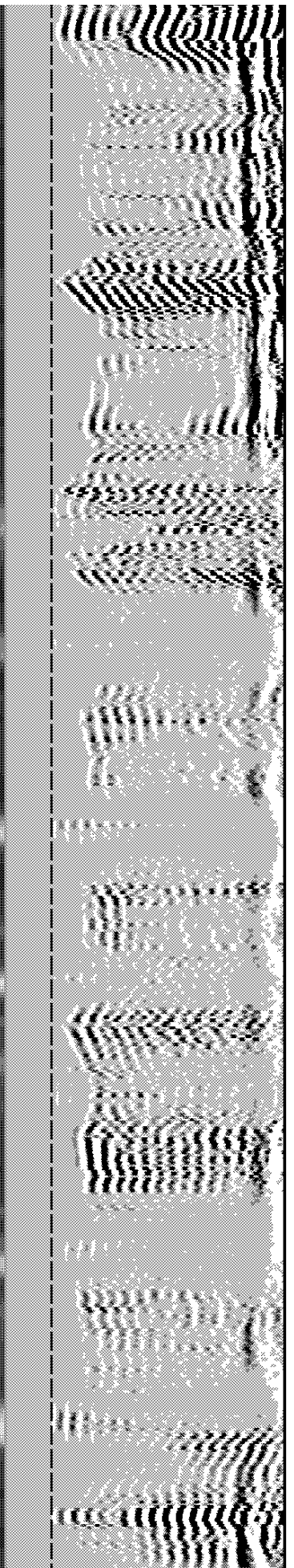
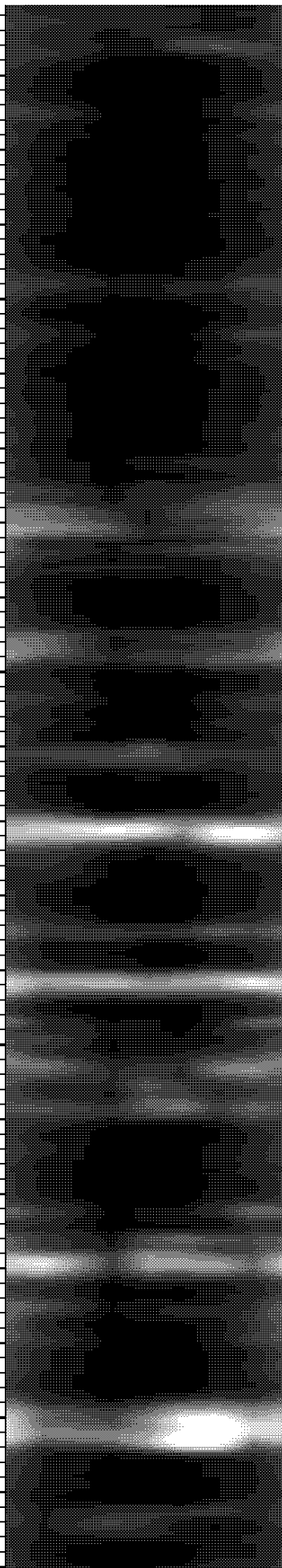
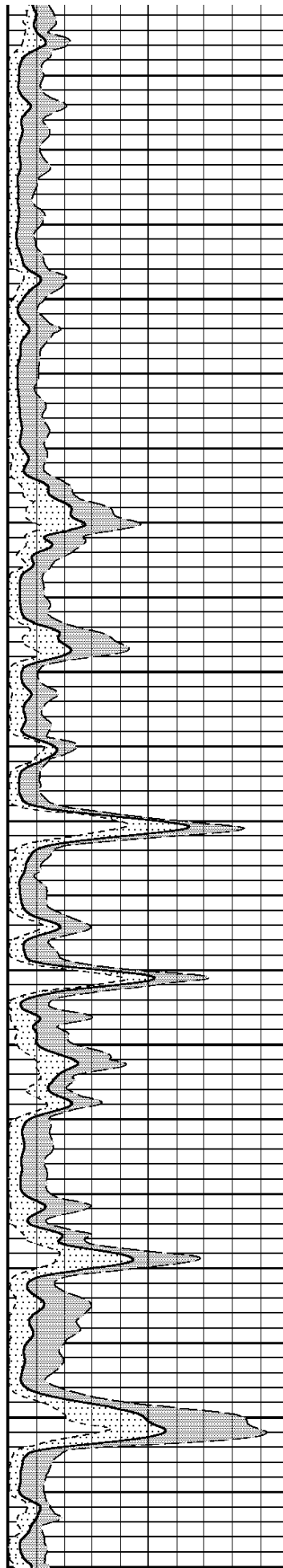
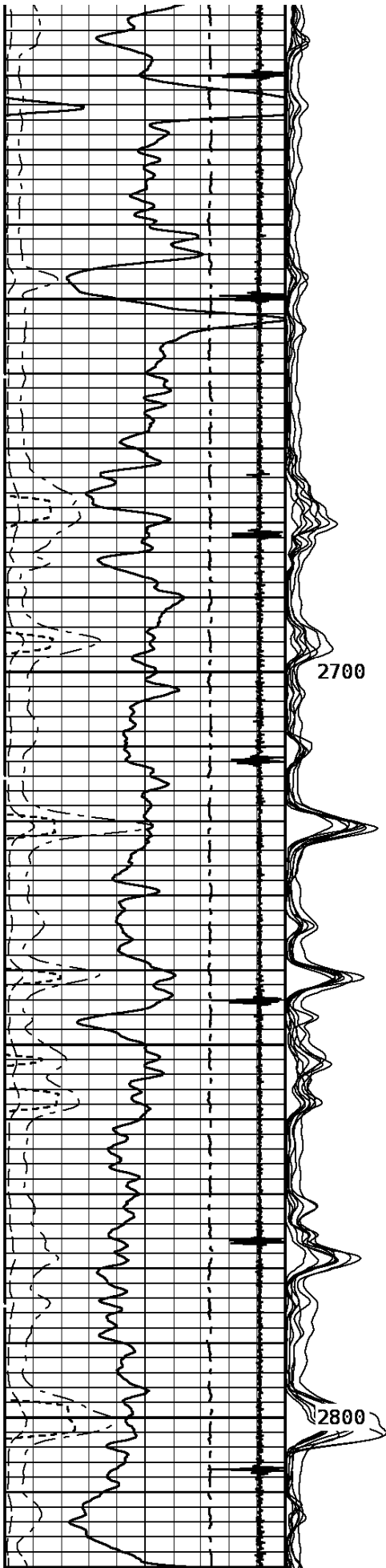


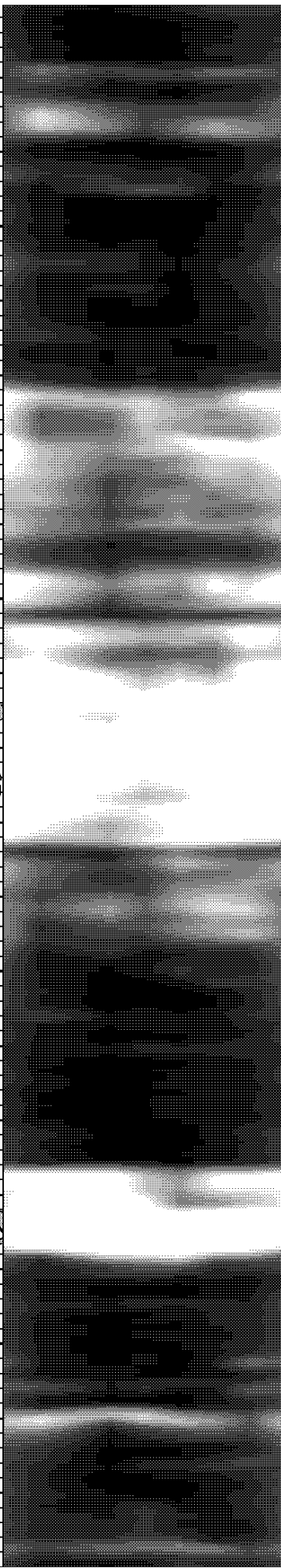
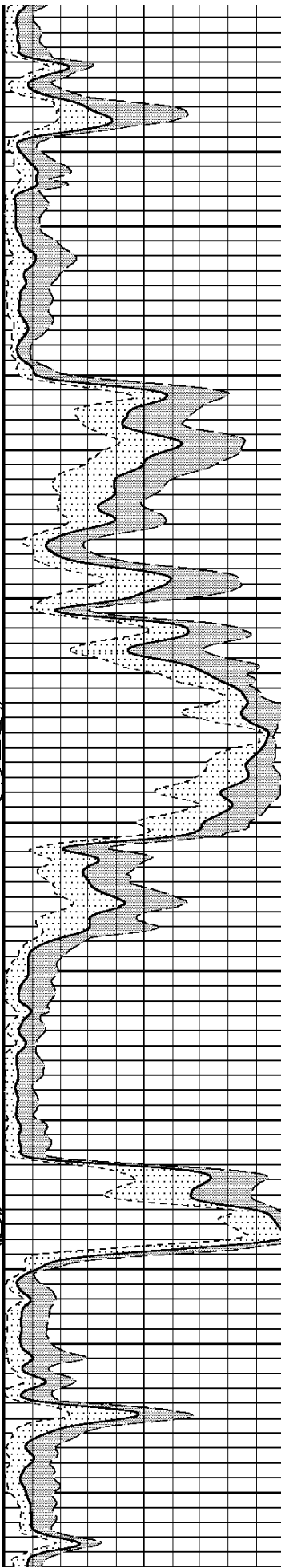
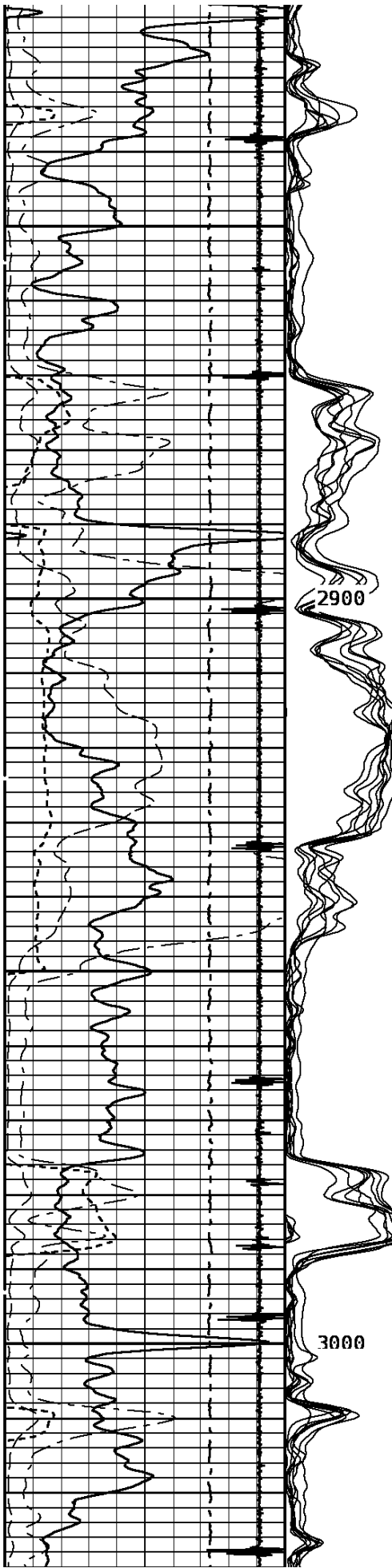


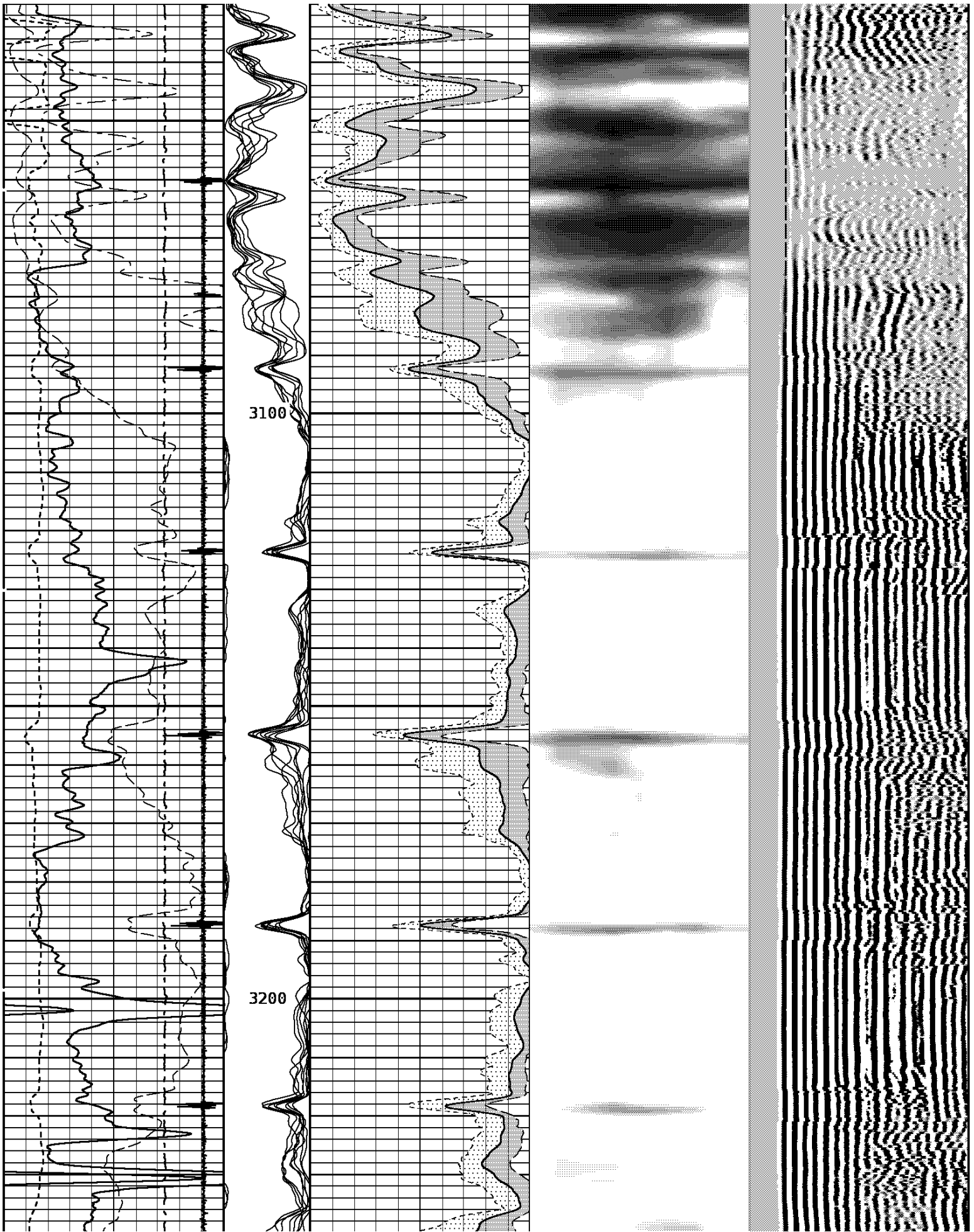


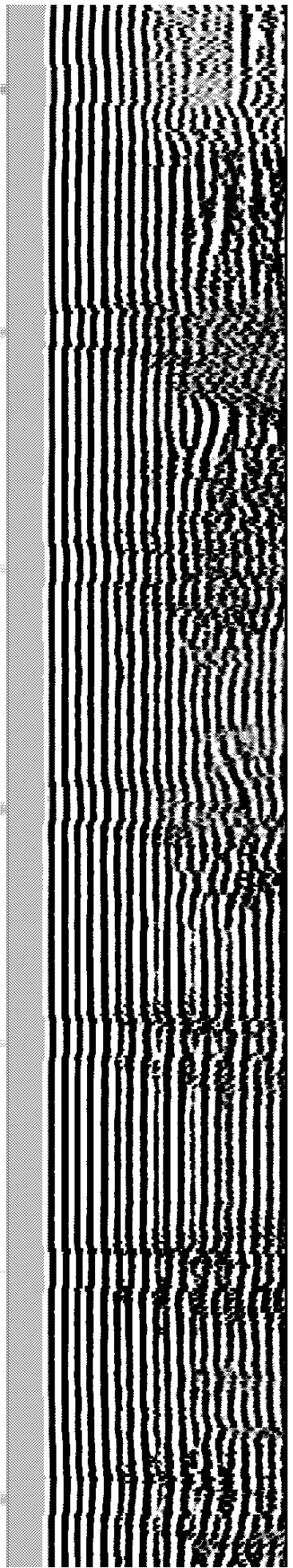
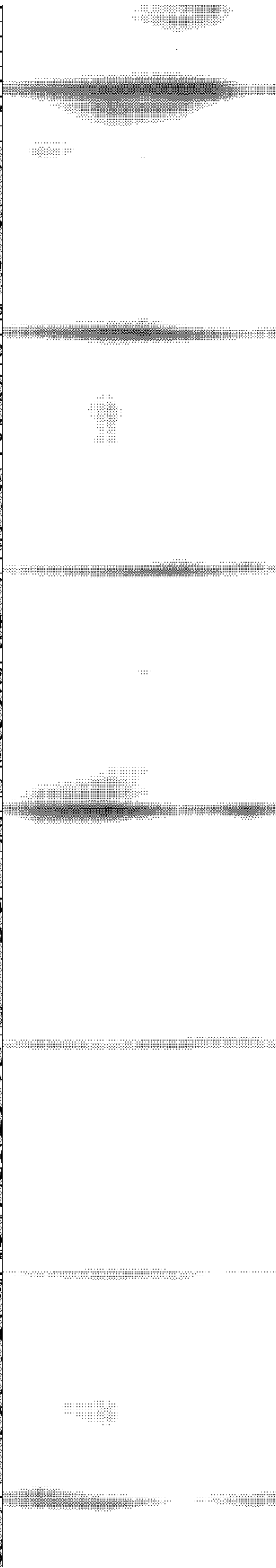
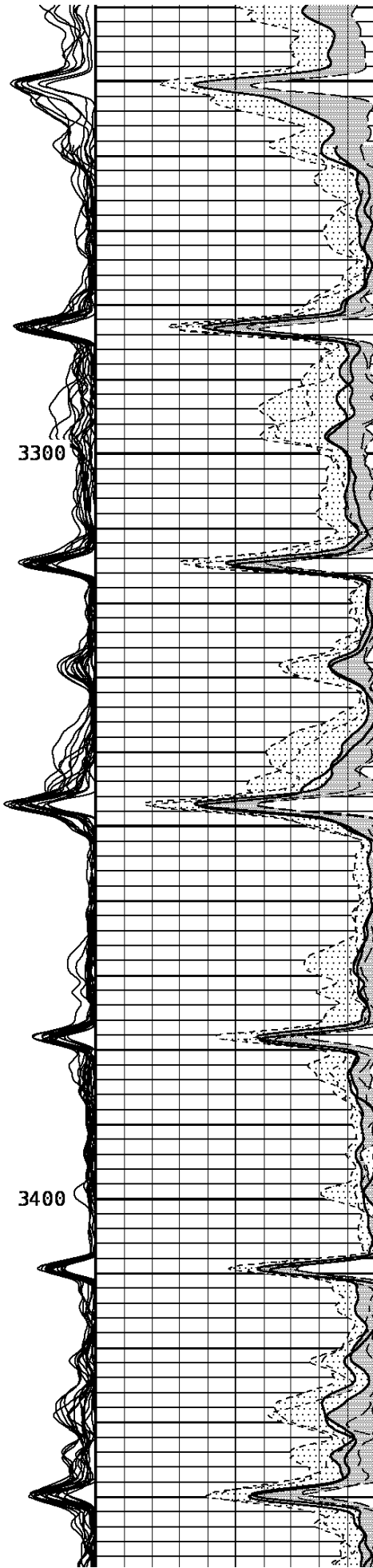


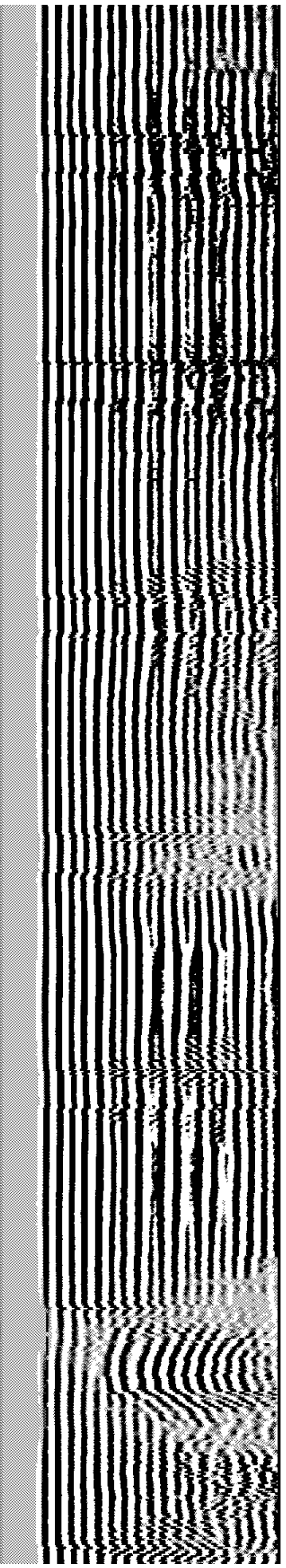
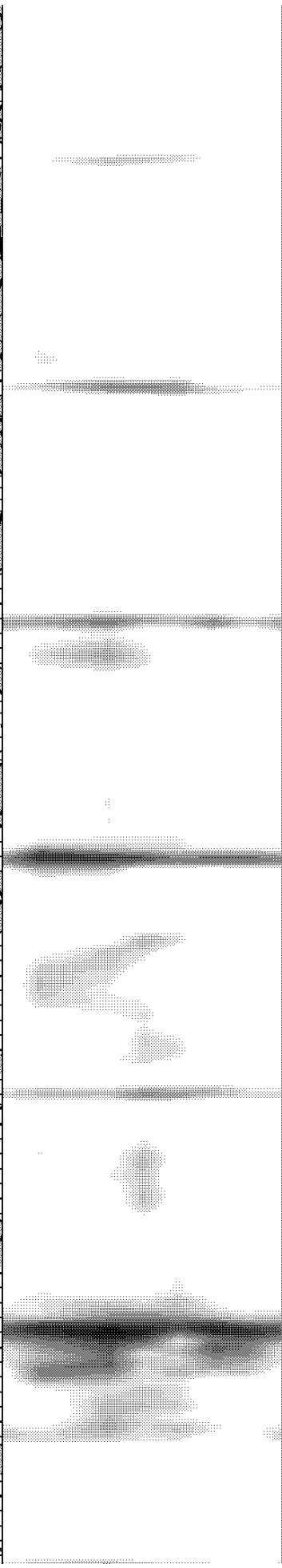
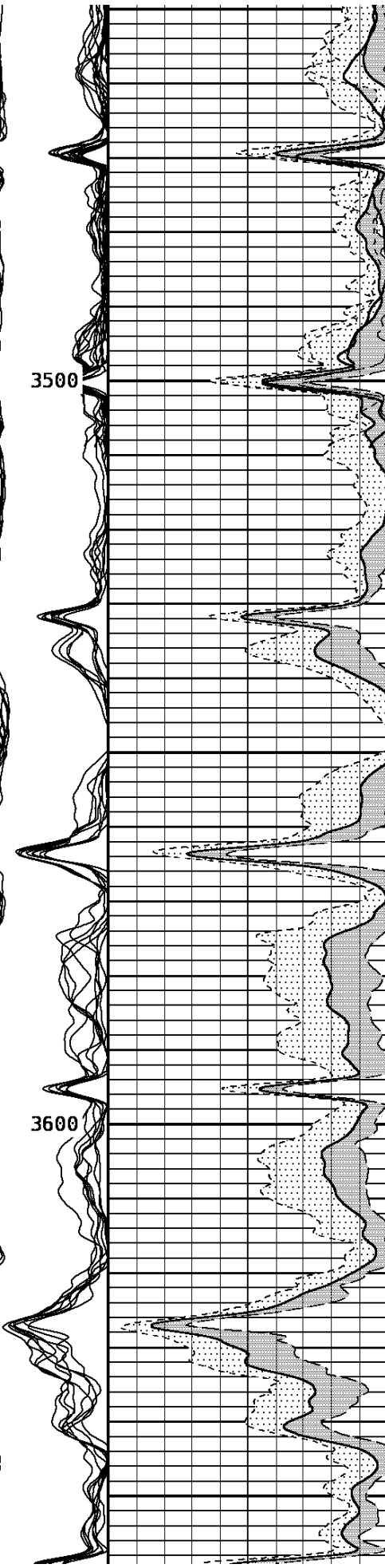
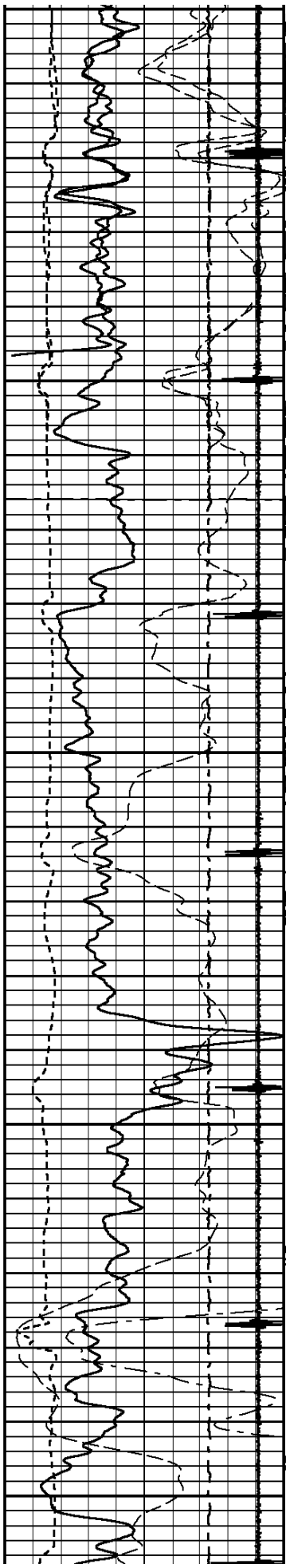


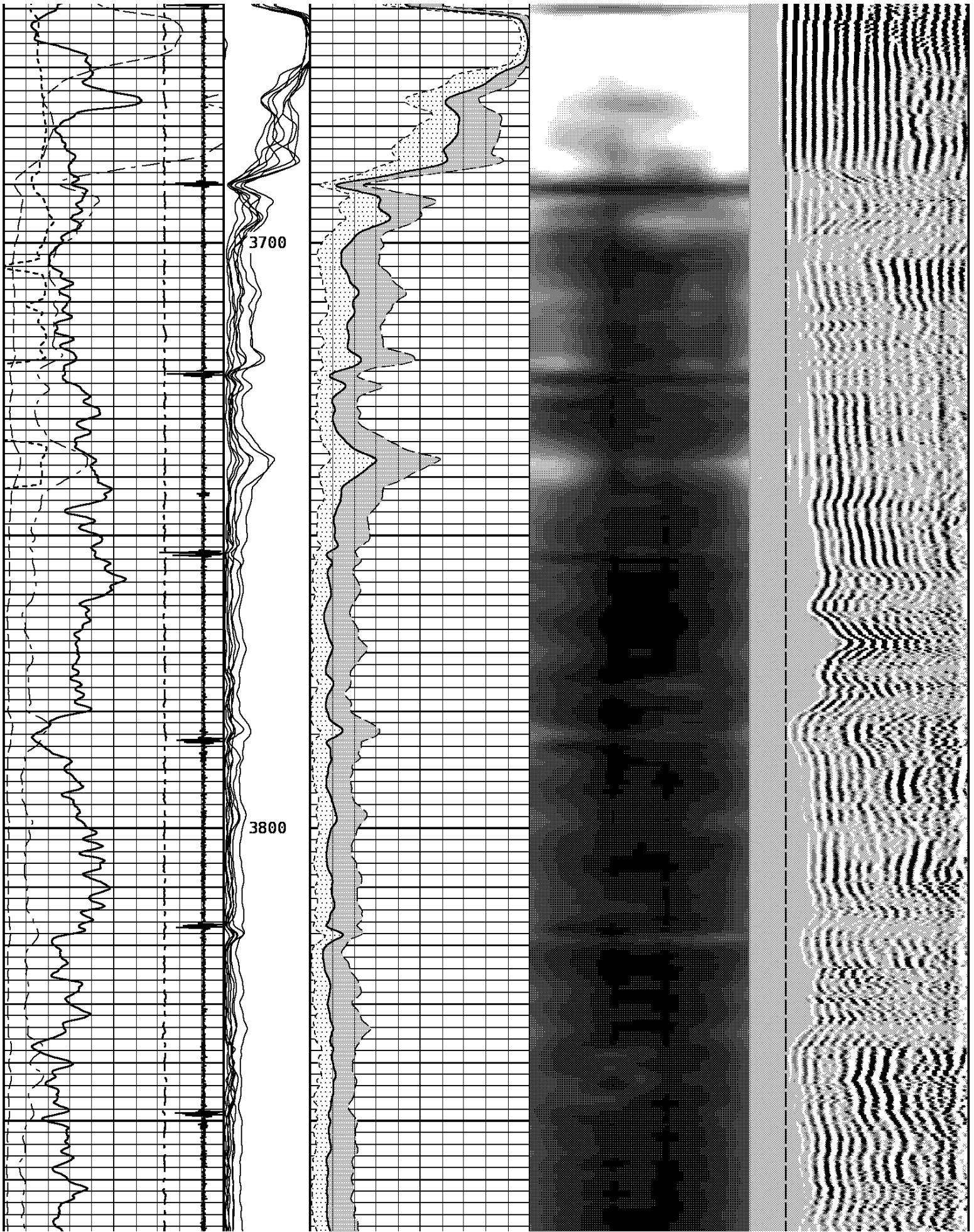


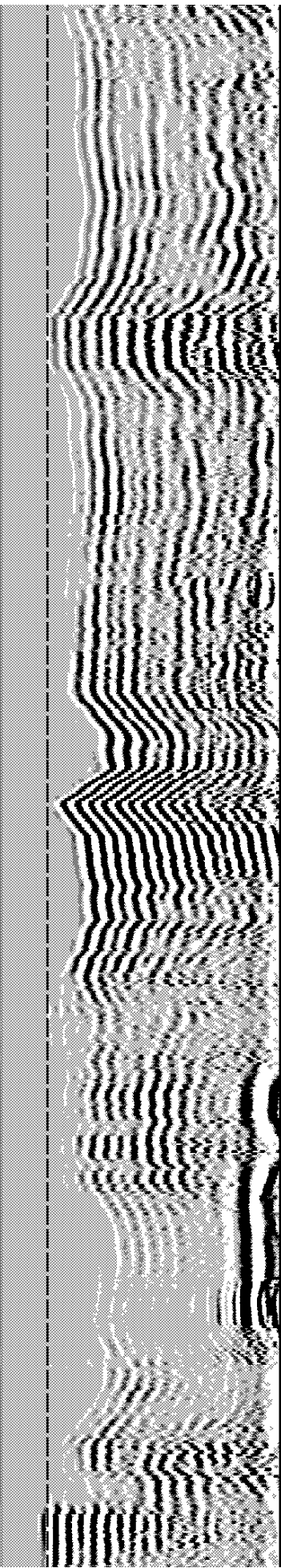
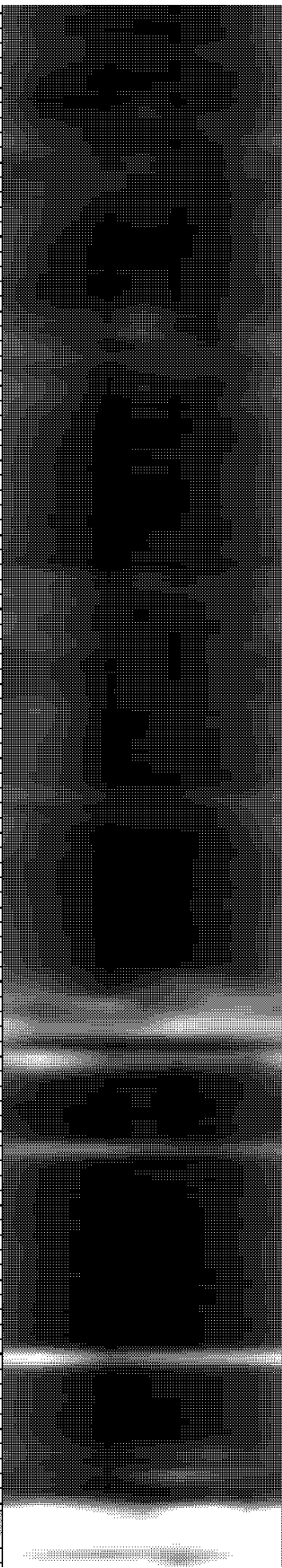
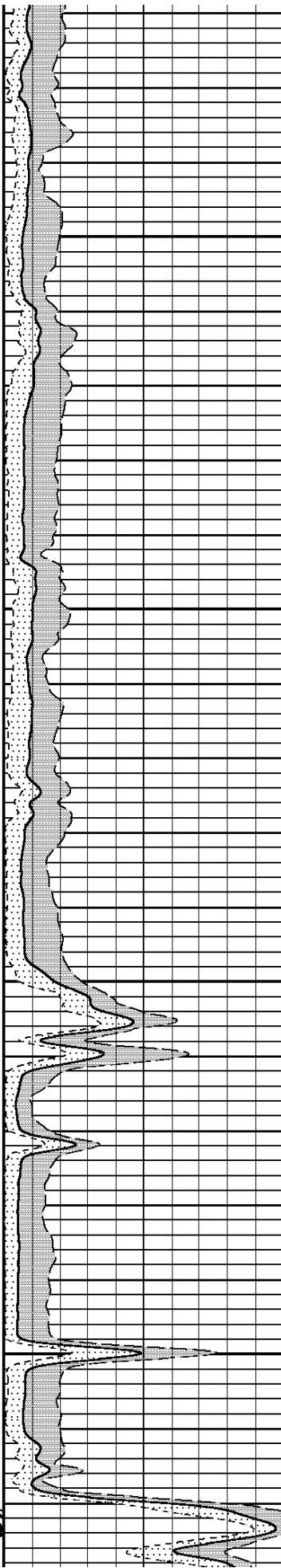
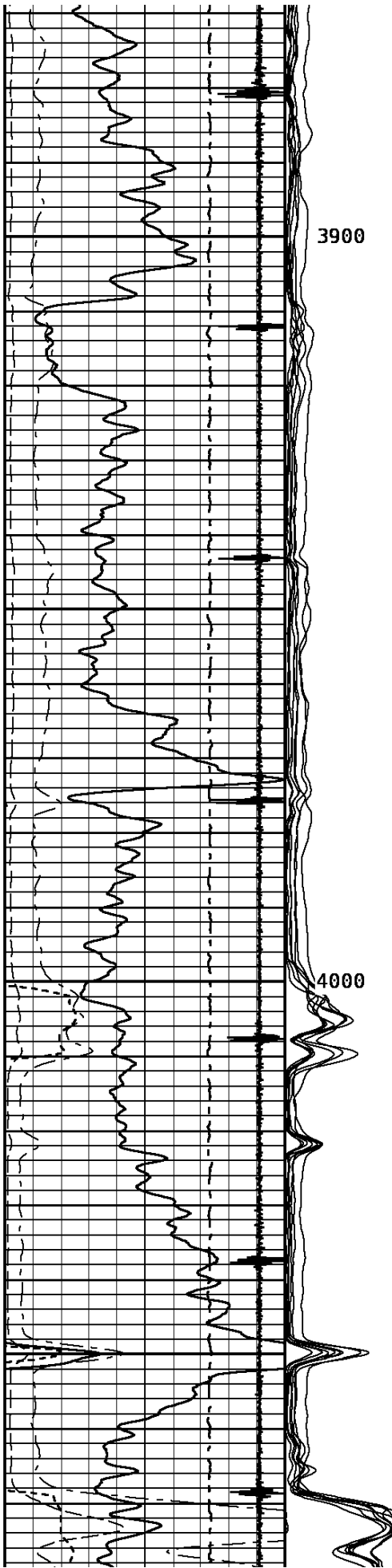


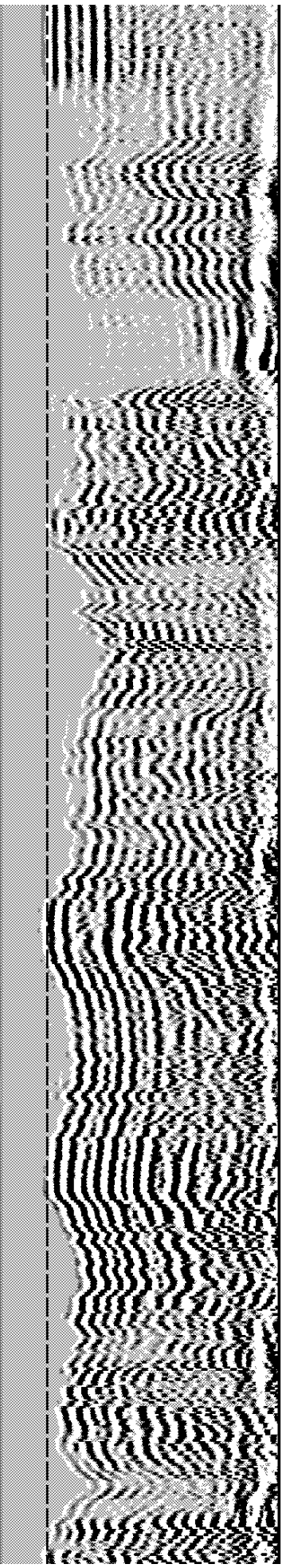
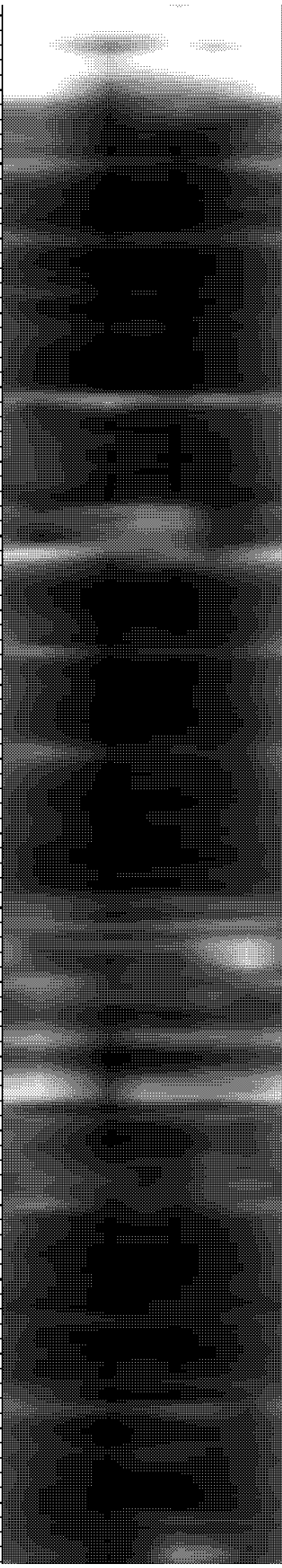
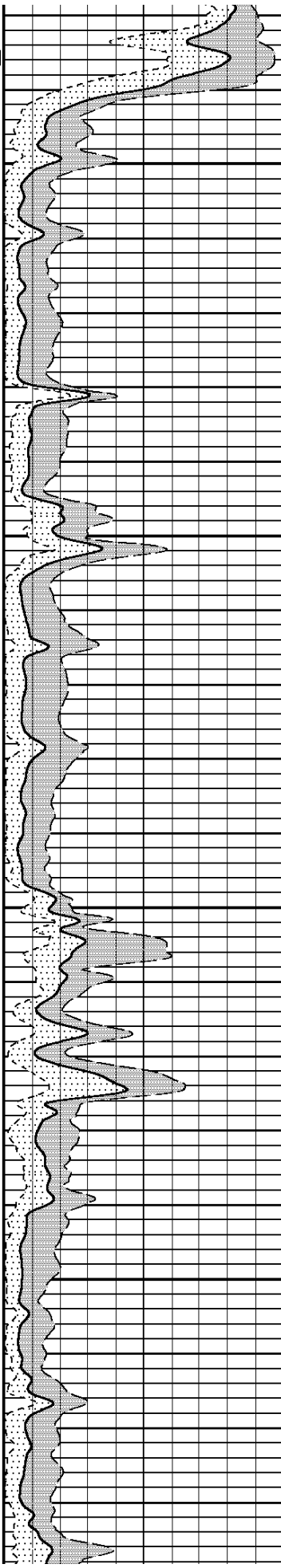
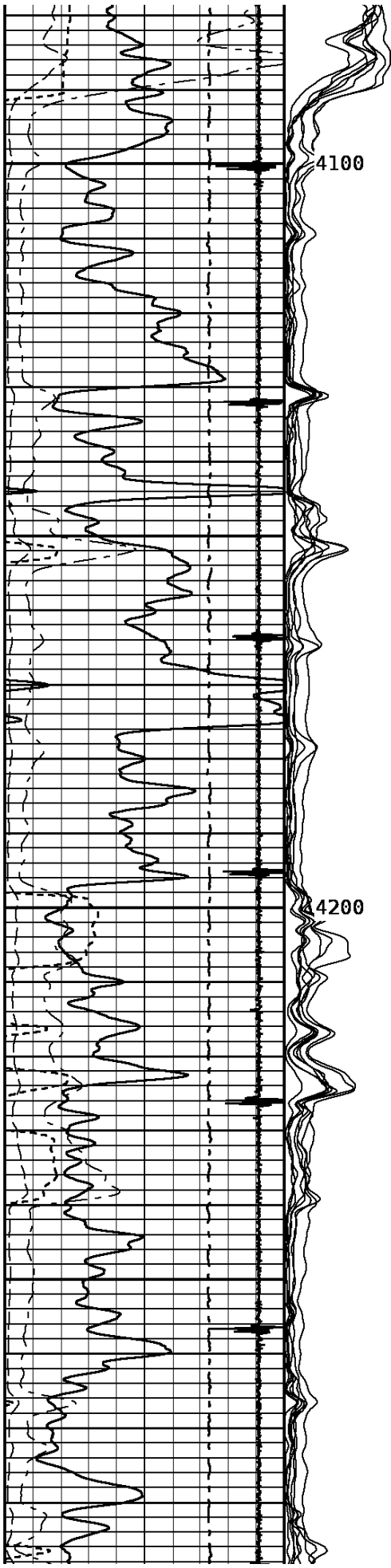


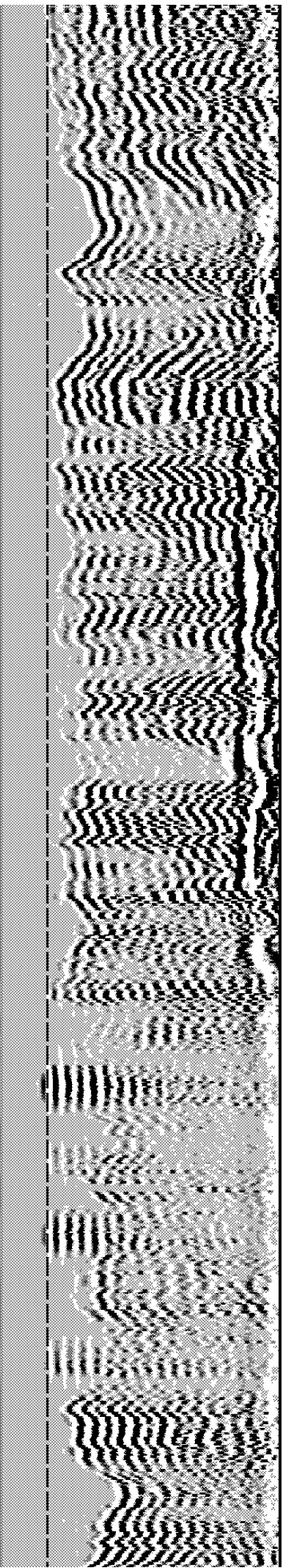
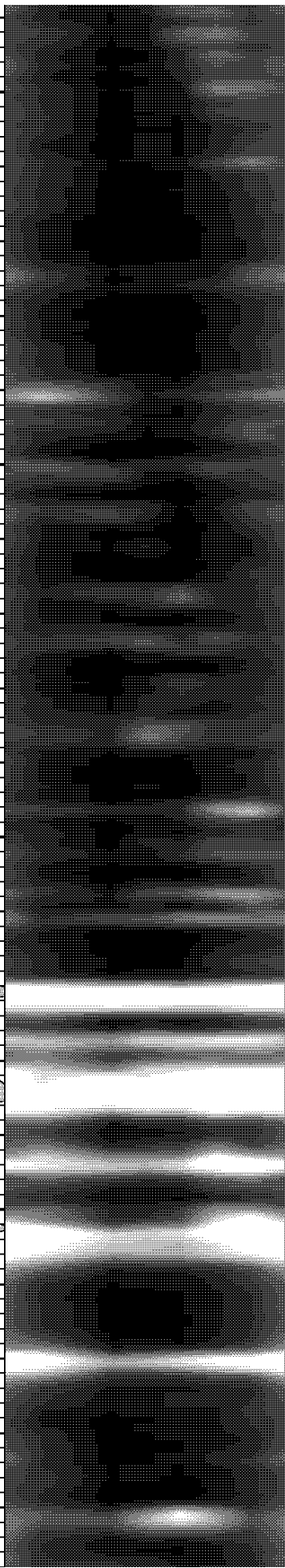
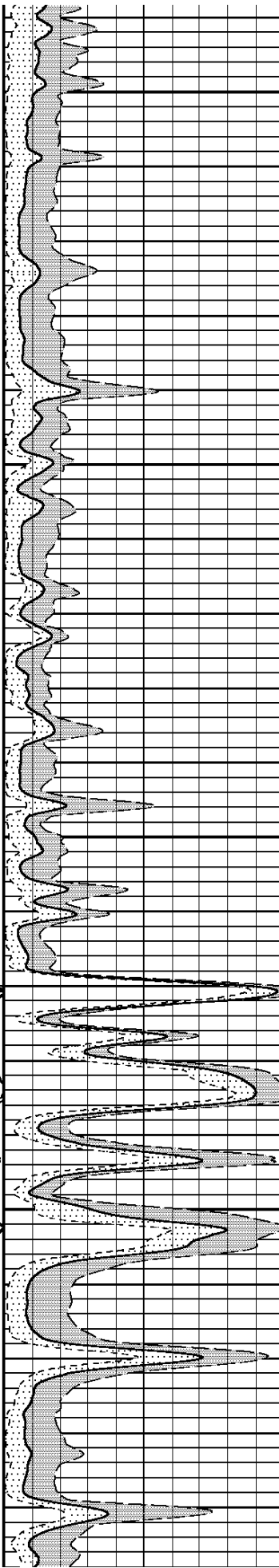
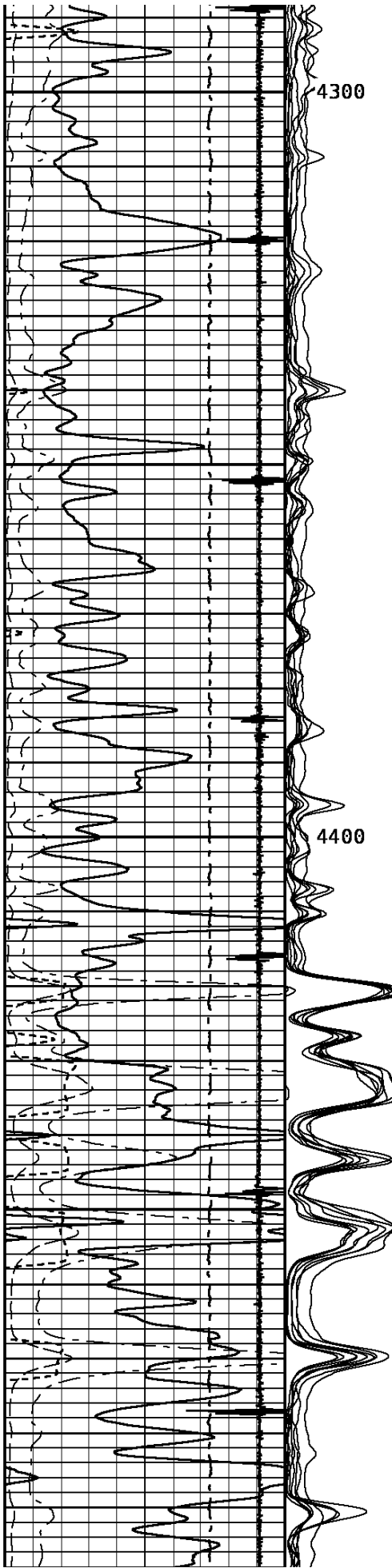


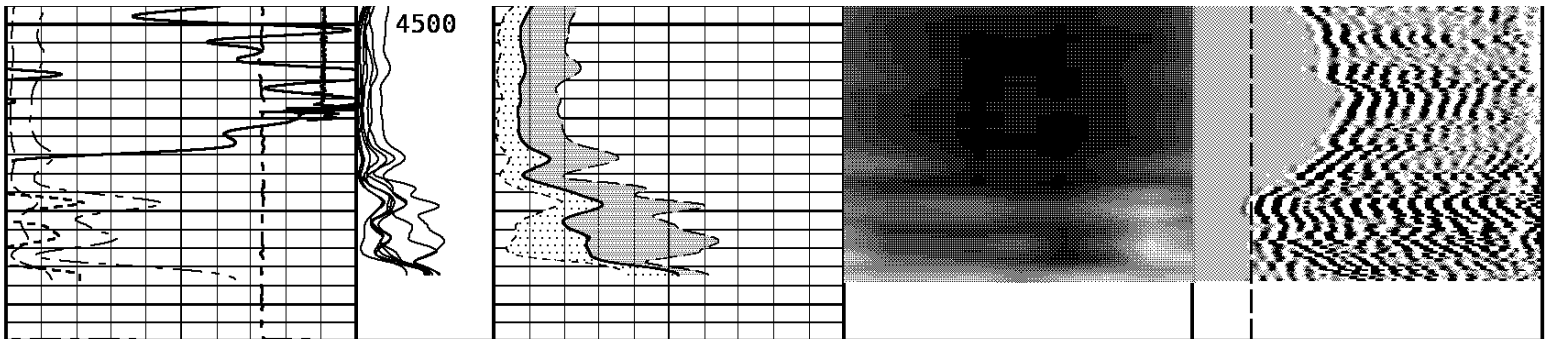












AMPLITUDE 3FT 0 Millivolts 100	SECTOR # 0 100	MIN ENERGY 0 Millivolts 100	VARIABLE ENERGY 0 Millivolts 70	VDL5 200 Microseconds 1200
TT3 250 Microseconds 150	SECTOR # 0 100	AVG ENERGY 0 Millivolts 100	VARIABLE ENERGY 0 Millivolts 70	VDL5 200 Microseconds 1200
GAMMA RAY 0 API 150	SECTOR # 0 100	MAX ENERGY 0 Millivolts 100		
CCL -7500 Millivolts 750	SECTOR # 0 100	MIN ENERGY 0 Millivolts 100		
TENSION 200 Pounds 500	SECTOR # 0 100	AVG ENERGY 0 Millivolts 100		
0.0 100.0	SECTOR # 0 100	MAX ENERGY 0 Millivolts 100		
MC:AMPLITUDE 3FT 0 Millivolts 20	SECTOR # 0 100			
AMPLITUDE 3FT 0 Millivolts 100	SECTOR # 0 100			
TT3 250 Microseconds 150	SECTOR # 0 100			
GAMMA RAY 0 API 150	SECTOR # 0 100			
CCL -7500 Millivolts 750	SECTOR # 0 100			
TENSION 200 Pounds 500	SECTOR # 0 100			
0.0 100.0	SECTOR # 0 100			
MC:AMPLITUDE 3FT 0 Millivolts 20	SECTOR # 0 100			

SECTOR #

0 100

SECTOR #

0 100

START DEPTH: 4534.0 DIRECTION: UP DATE: 07/30/2009 TIME: 16:40 MODE: TRACE PLAYBACK

162177

DEPTH SCALE: 5":100'

VERSION: 80214133R"

REMARKS

REPEAT

DEPTH SCALE: 5":100'

VERSION: 80214133R"

MAIN PASS

162177 RPT

FINISH DEPTH: 4255.3 Feet DIRECTION: UP DATE: 07/30/2009 TIME: 14:58 MODE: TRACE PLAYBACK

SECTOR #

0 100

SECTOR #

0 100

MC:AMPLITUDE 3FT

SECTOR #

0 Millivolts 20

0 100

SECTOR #

0.0 100.0

0 100

CCL

SECTOR #

-5000 Millivolts 500

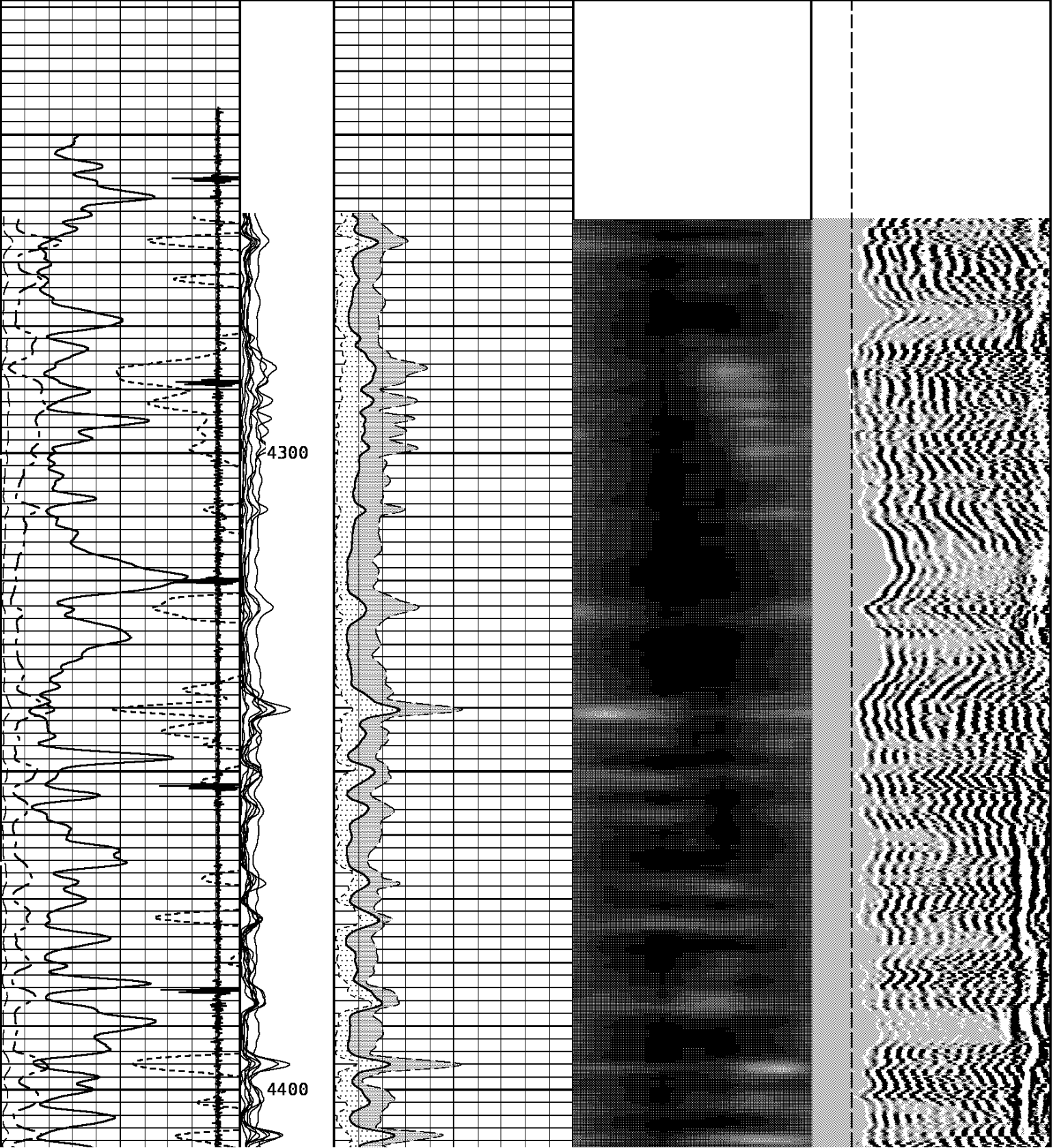
0 100

GAMMA RAY

SECTOR #

MAX ENERGY

0	API	150	0	100	0	Millivolts	100		
TT3			SECTOR #		AVG ENERGY				
190	Microseconds	290	0	100	0	Millivolts	100		
AMPLITUDE 3FT			SECTOR #		MIN ENERGY			VARIABLE ENERGY	VDL5
0	Millivolts	100	0	100	0	Millivolts	100	0	70 200
								Microseconds	1200



SECTOR #	
0	100
SECTOR #	
0	100

START DEPTH: **4526.0** DIRECTION: **UP** DATE: **07/30/2009** TIME: **14:58** MODE: **TRACE PLAYBACK**

162177 RPT

MAIN PASS

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

VERSION: **80214133R"**

1 7/16" Cablehead

Weight 2.2 lbs
 Length 1.02 in
 Max. Diameter 1.36 in
 Total Stack Weight 170 lbs in air
 Total Stack Length 23.34 ft

Slim Hole Centralizer

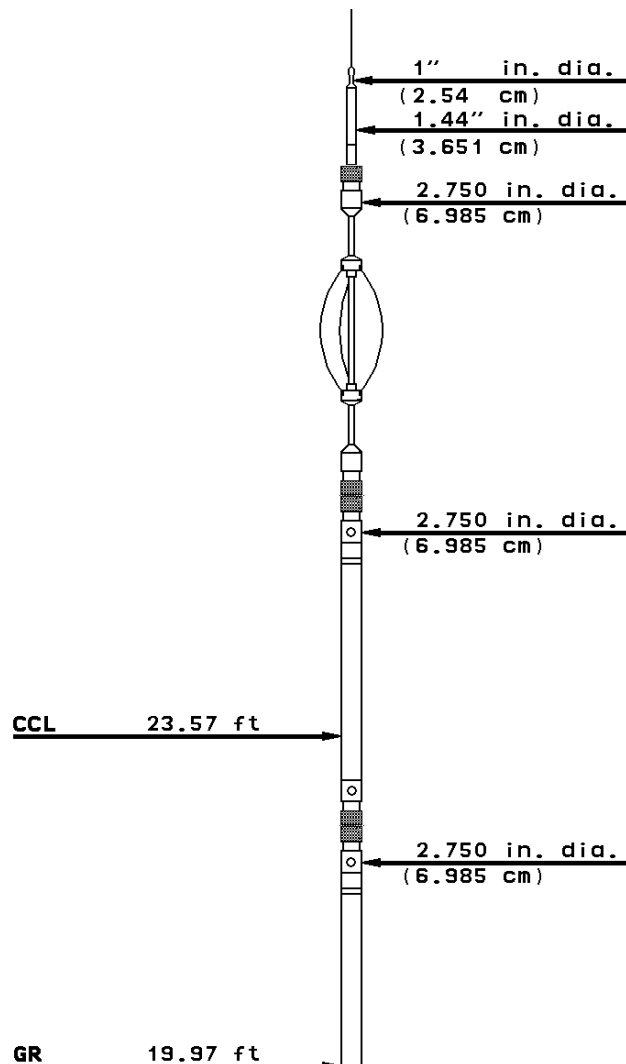
Weight 11.9 lb
 Length 2.49 ft
 Max. Diameter 2.7 in

Collar Locator

Weight 39.8 lbs
 Length 3.40 ft
 Max. Diameter 2.7

Slim Hole Gamma Ray

Weight 39.8 lbs
 Length 4.71 ft
 Max. Diameter 2.7 in



Slim Hole Centralizer

Weight 23.8 lbs
Length 3.08 ft
Max. Diameter 2.7 in

Sector Bond

Weight 89.8 lbs
Length 10.32 ft
Max. Diameter 2.7 in

Slim Hole Centralizer

Weight 11.9 lbs
Length 2.82 ft
Max. Diameter 2.7 in

SBT/CBL Tx

SBT Rx 7.77 ft

3' Rx 7.28 ft

5' Rx 6.28 ft

Tool Zero

2.750 in. dia.
(6.985 cm)

2.750 in. dia.
(6.985 cm)

2.750 in. dia.
(6.985 cm)

COMPANY COLORADO INTERSTATE GAS

WELL FLANK #16



FIELD FLANK

COUNTY BACA

STATE COLORADO

Weatherford®