

## Baker Atlas



# SBT INTERPRETIVE PLOT

COMPANY NALCOR ENERGY

WELL NALCOR ET AL FINNEGAN #1

FIELD FINNEGAN

PROVINCE NEWFOUNDLAND AND LABRADOR

LOCATION:

LICENSE #: 2010-128-04

LAT 49.92 N LONG 63.33 W

ELEVATIONS:

KB 125.00 M DF GL 118.75 M

DATE 27-NOV-2010 ECC CA209243

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

### BOREHOLE RECORD

BIT SIZE	FROM	TO
444.5 MM	0.0 M	570.0 M
311.0 MM	570.0 M	2285.0 M
216.0 MM	2285.0 M	3130.0 M

### CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
339.7 MM	81.1 KG/M	K-55	0.0 M	570.0 M
244.5 MM	64.7 KG/M	NA	570.0 M	2276.0 M
177.8 MM				

### REMARKS

TIME STOPPED CIRCULATION: 27-NOV-2010 09:30 AM

PRELIMINARY LOG. FURTHER PROCESSING MAY BE REQUIRED.

DEPTH CORRELATED TO OPENHOLE LOGS RECORDED BY BAKER ATLAS ON 02-NOV-10.

CEMENT COMPRESSIVE STRENGTH OF 10,000 KPA USED FOR CEMENT MAP.

SAMPLE MEASURED:

RM 0.955 @ 15.2 DEG

RMF 0.825 @ 15.2 DEG

RMC 1.146 @ 15.2 DEG

RIG: STONEHAM 11

CREW: S.CREWE, J.HOUSE, L.BAZIAN, J.HENNESSEY, C.DROVER, J.WOODS, J.JEWEL,  
K.HASIUK, B.BARSS.

LOG ANALYSIS: YANGFA TU

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
2	6	CCL	2346XA	10197975	FREE
2	6	GR	1339XA	10195042	FREE
2	6	SBT ELEC	1633EA	10186915	CENTRALIZED
2	6	SBT MAND	1424XB	10185716	PAD DEVICE
2	6	VDL	1424PA	10187842	CENTRALIZED

MAIN PASS 1:240 SCALE

PARAMETER AND FILTER SUMMARY REPORT

FILE: /export/data/ddc/209243/m331d04.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 15.392 m BOTTOM DEPTH: 2273.266 m

SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
GR	FILTER ( )	medium (1)		TOP	BOTTOM
SBT	FILTER, 2pf	medium (1)		''	''
	FILTER, 4pf	medium (1)		''	''

SBT PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SBT	CASING OD	244.500	mm	TOP	BOTTOM
	CASING WT	64.699	kg/m	''	''
	FREE PIPE AMP.	57.412	mV	''	''
	FREE PIPE ATTN.	6.693	dB/m	''	''
	CORR. FACTOR 1	-1.369	dB/m	''	''
	CORR. FACTOR 2	0.564	dB/m	''	''
	CORR. FACTOR 3	0.225	dB/m	''	''
	CORR. FACTOR 4	1.021	dB/m	''	''
	CORR. FACTOR 5	0.001	dB/m	''	''
	CORR. FACTOR 6	-0.441	dB/m	''	''
	SPACING	0.215	m	''	''
	SPREADING FACTOR	13.948	dB/m	''	''
	CEMENT STRENGTH	9997	kPa	''	''
	HI CUTOFF	25.741	dB/m	''	''
	LOW CUTOFF	11.457	dB/m	''	''

NORMALIZATION SUMMARY REPORT

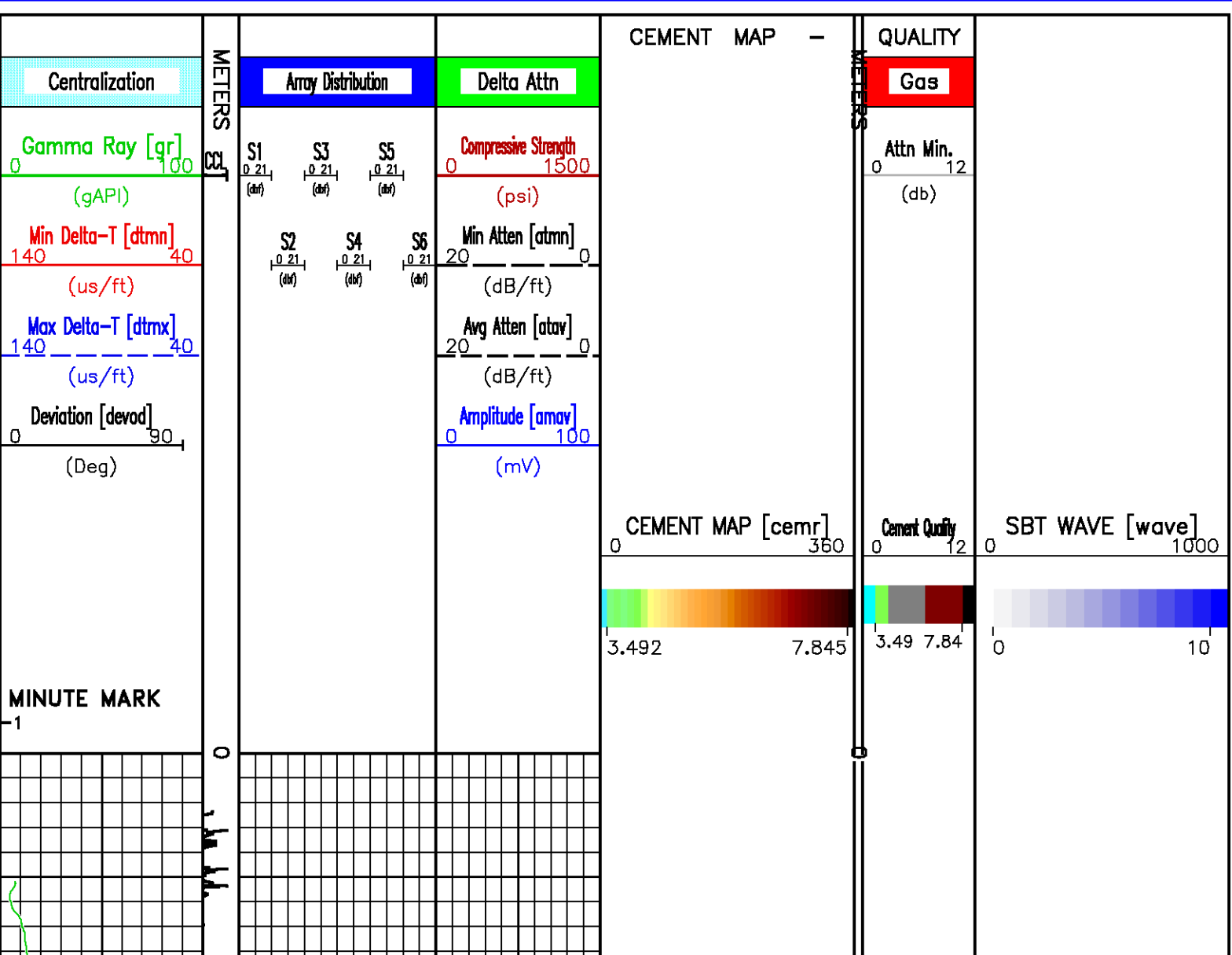
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LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 15.392 m BOTTOM DEPTH: 2273.266 m

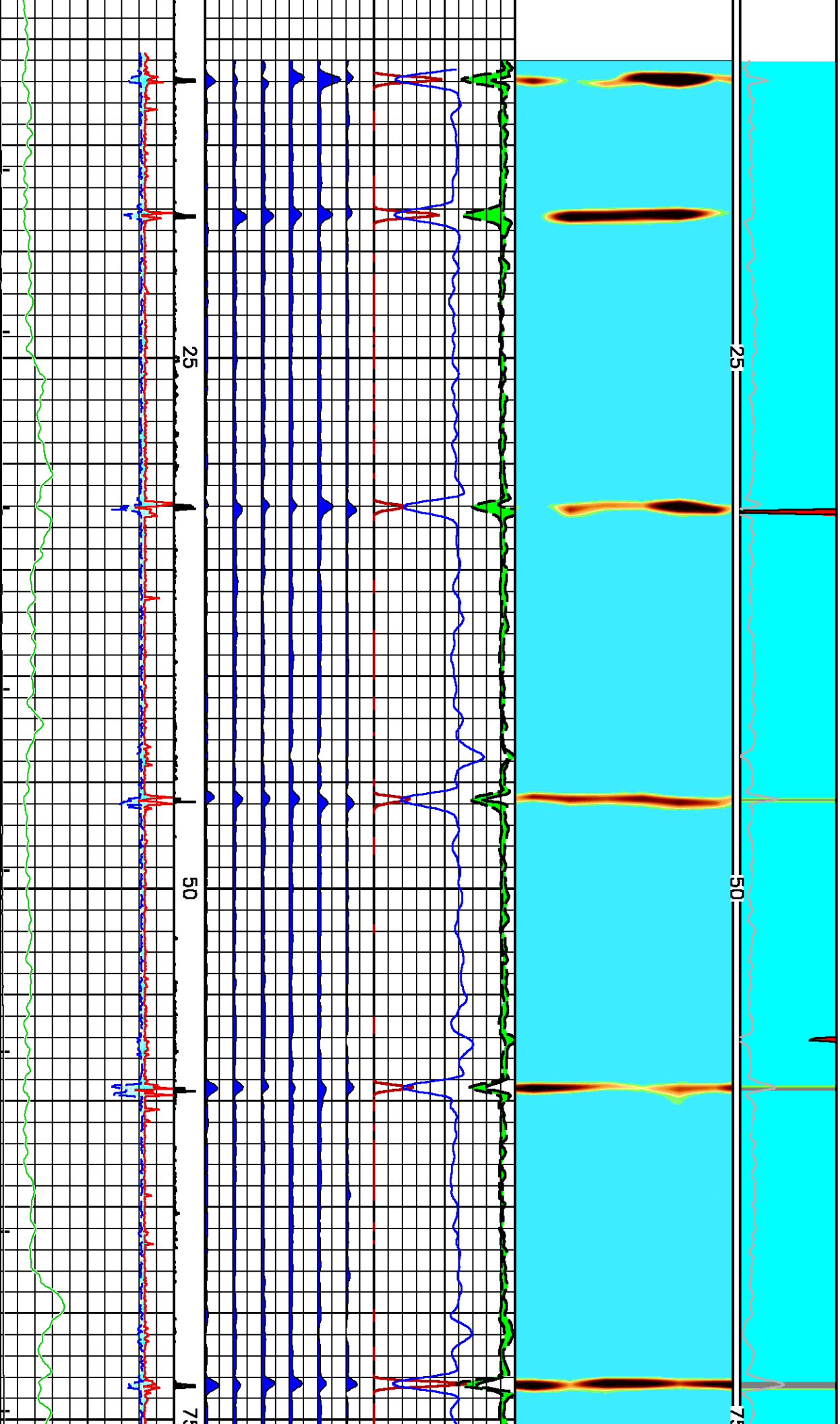
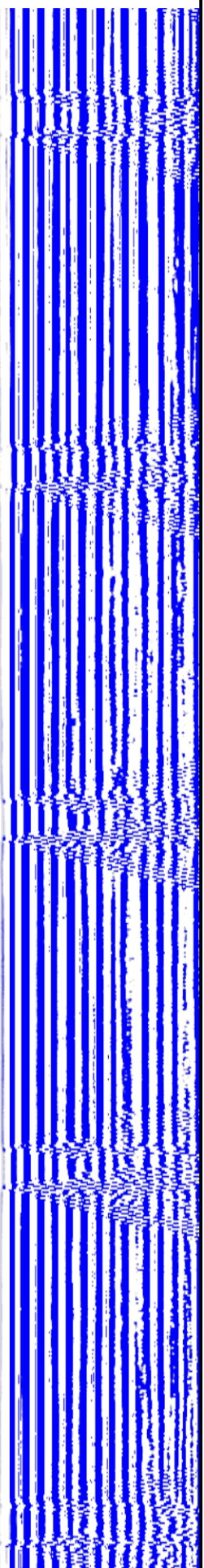
NORMALIZATION					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CCL	GAIN (ccl*)	2.000		TOP	2140.991
		3.000		BOTTOM	BOTTOM
	SHIFT (ccl*)	0.000		TOP	BOTTOM
GR	SHIFT (gr*)	0.000	gAPI	''	''

CURVE DESCRIPTION REPORT

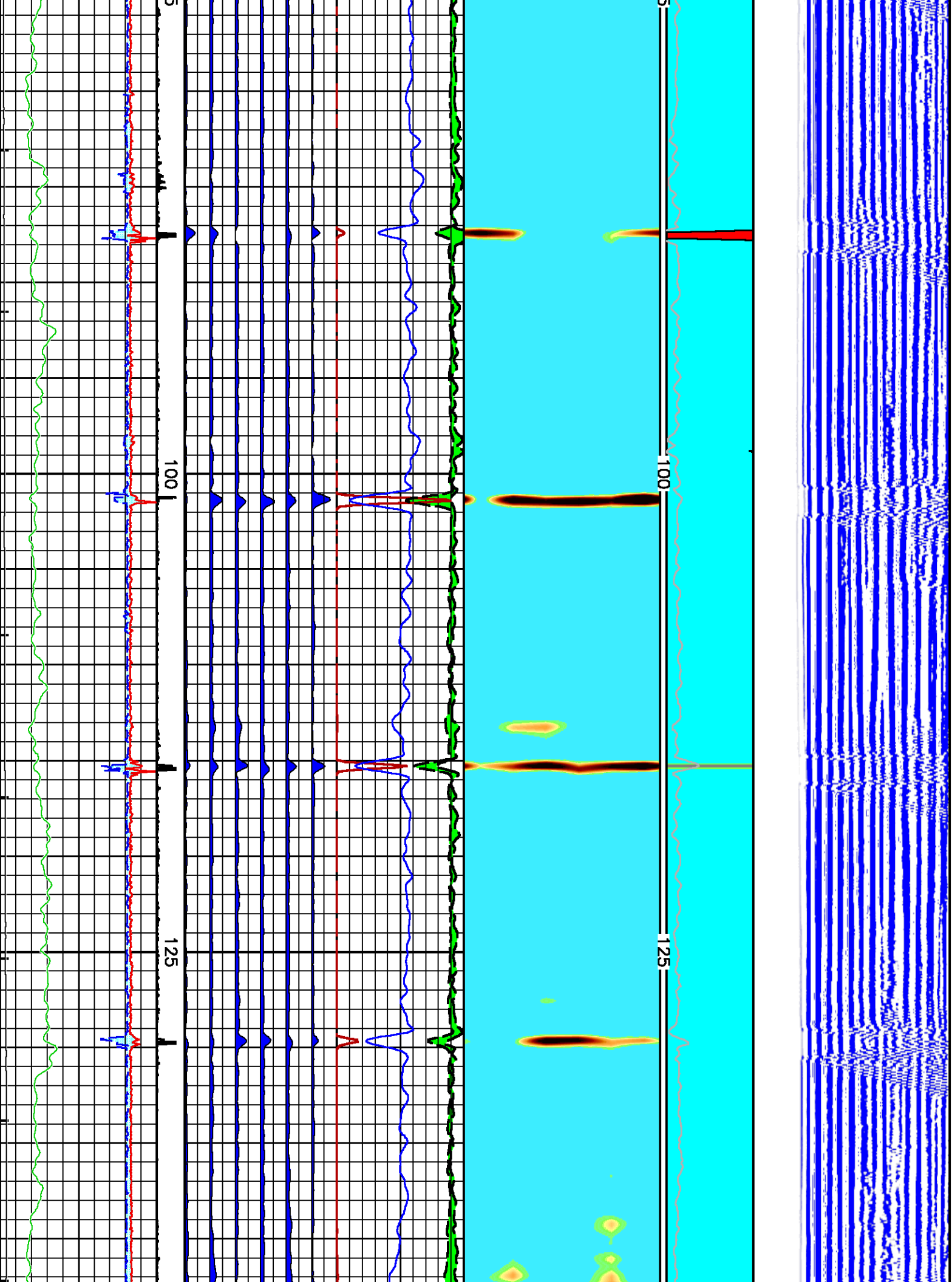
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:AMAV	AMAV	Nov 29 06:47:43 2010	AVERAGE AMPLITUDE
F1:ATAV	ATAV	Nov 29 14:41:29 2010	AVERAGE ATTENUATION
F1:ATC1	ATC1	Nov 29 14:41:38 2010	ATTENUATION PAD 1
F1:ATC2	ATC2	Nov 29 14:41:44 2010	ATTENUATION PAD 2
F1:ATC3	ATC3	Nov 29 14:41:50 2010	ATTENUATION PAD 3
F1:ATC4	ATC4	Nov 29 14:41:55 2010	ATTENUATION PAD 4
F1:ATC5	ATC5	Nov 29 14:42:01 2010	ATTENUATION PAD 5
F1:ATC6	ATC6	Nov 29 14:42:07 2010	ATTENUATION PAD 6
F1:ATMN	ATMNBUI	Nov 29 14:42:14 2010	ATTENUATION MINIMUM
F1:CCL	CCL	Nov 29 06:47:43 2010	CASING COLLAR LOCATOR
F1:CEMR	CEMR	Nov 29 06:47:43 2010	CEMENT MAP RAW VALUES
F1:DEVOD	DEV	Nov 29 06:47:43 2010	DEVIATION
F1:DTMN	DTMN	Nov 29 14:42:40 2010	MINIMAL DELTA-T
F1:DTMX	DTMX	Nov 29 14:42:46 2010	MAXIMAL DELTA-T
F1:GR	GR	Nov 29 06:47:43 2010	GAMMA RAY
F1:MMRK	MMRK	Nov 29 06:47:43 2010	MINUTE MARK
F1:WAVE	WAVE	Nov 29 06:47:43 2010	250 BYTES DIGITIZED WAVEFORM

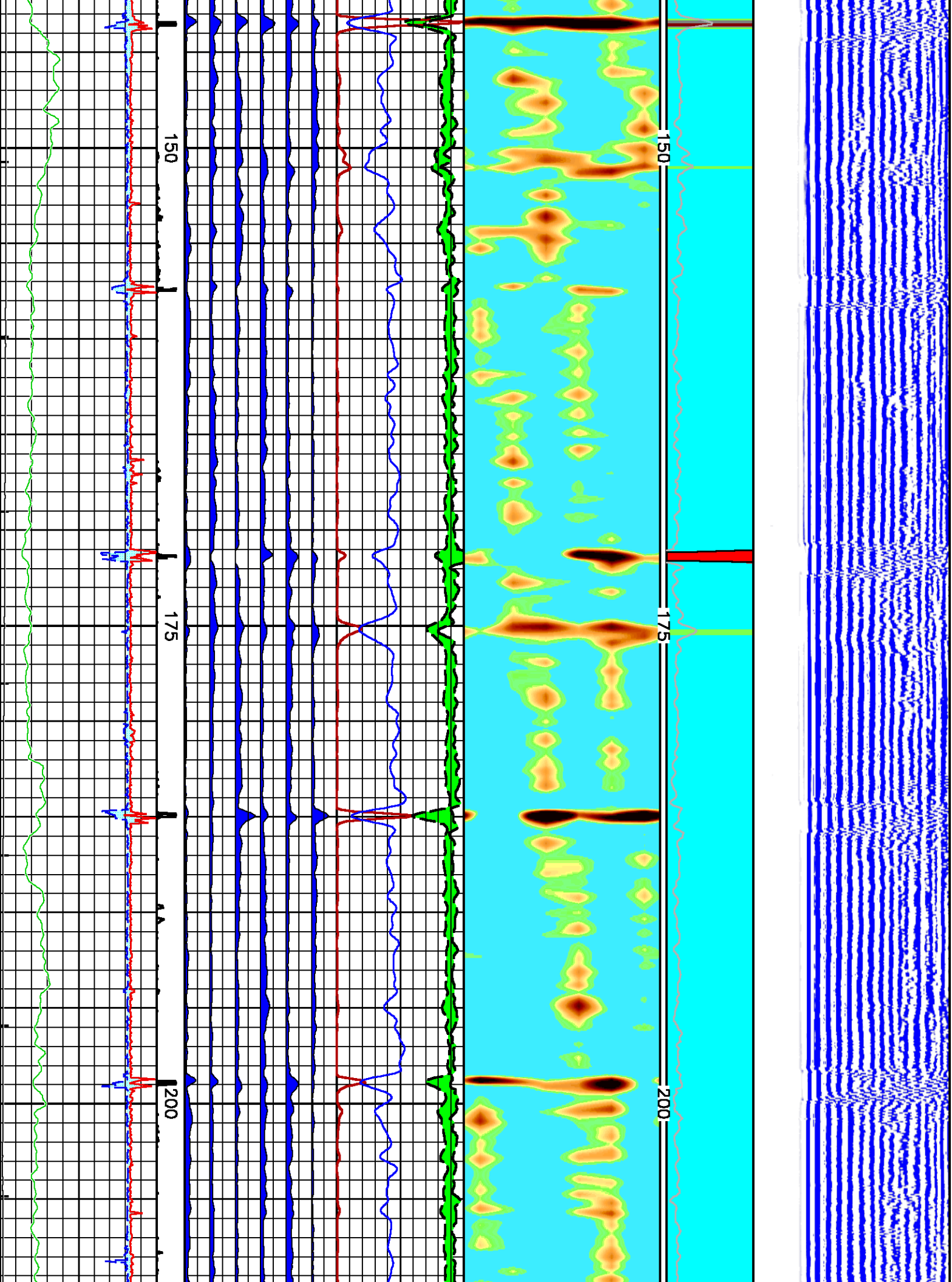
Project	: /data/ddc/209243
User	: tuyan
Presentation	: calsunsv3:/data/ddc/209243/main_pass.pdf [1:240 Scale]
Plot Interval	: 0 – 2271.98 Meters
Data File 1	: F1 : calsunsv3:/export/data/ddc/209243/m331d04.xtf
Created On	: Nov 29 06:47:43 2010
Company	: NALCOR ENERGY
Well	: NALCOR ET AL FINNEGAN 1
Field	: FINNEGAN
File Interval	: 2.3622 – 2271.98 Meters
Oct	: m331d

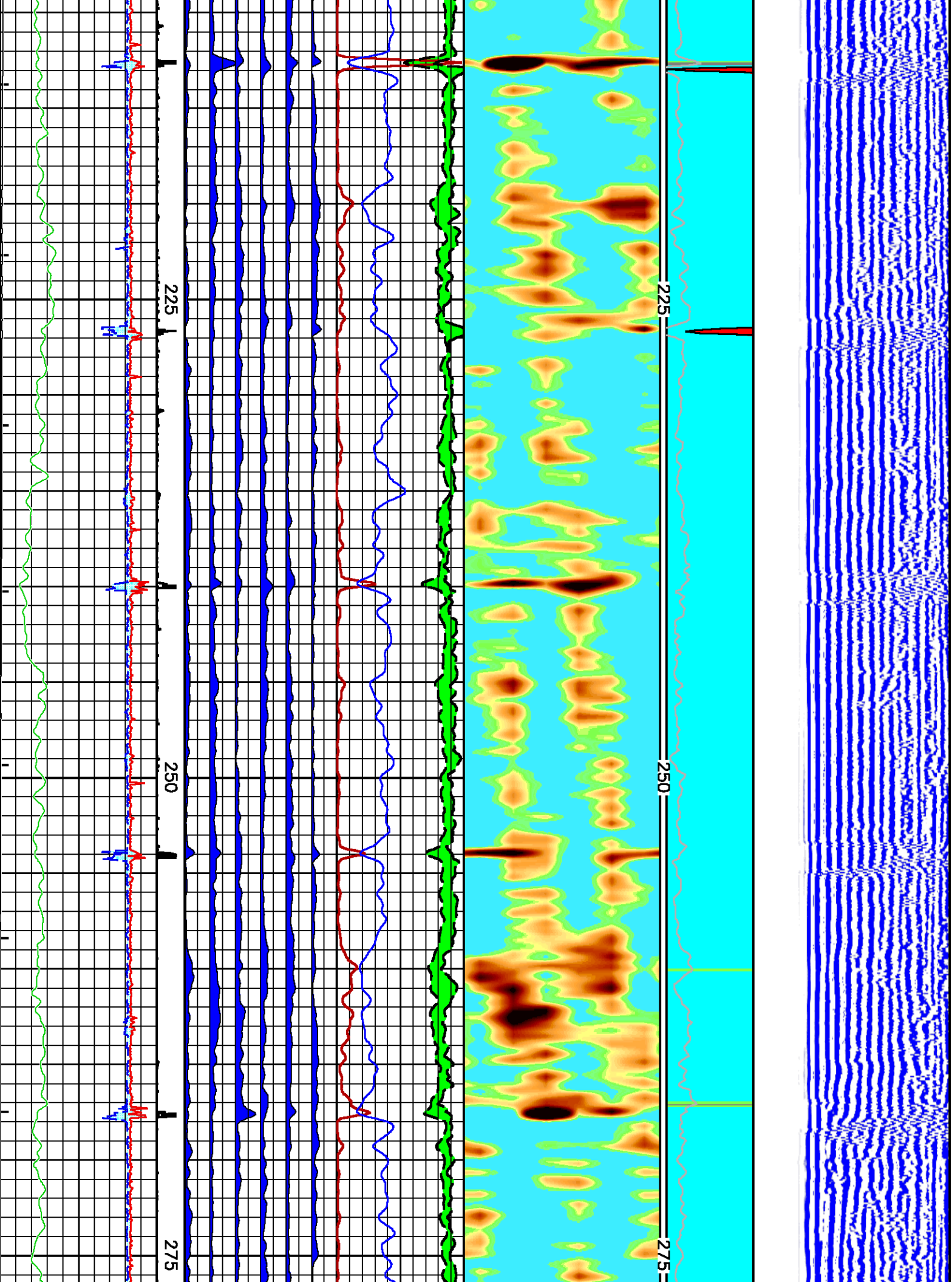




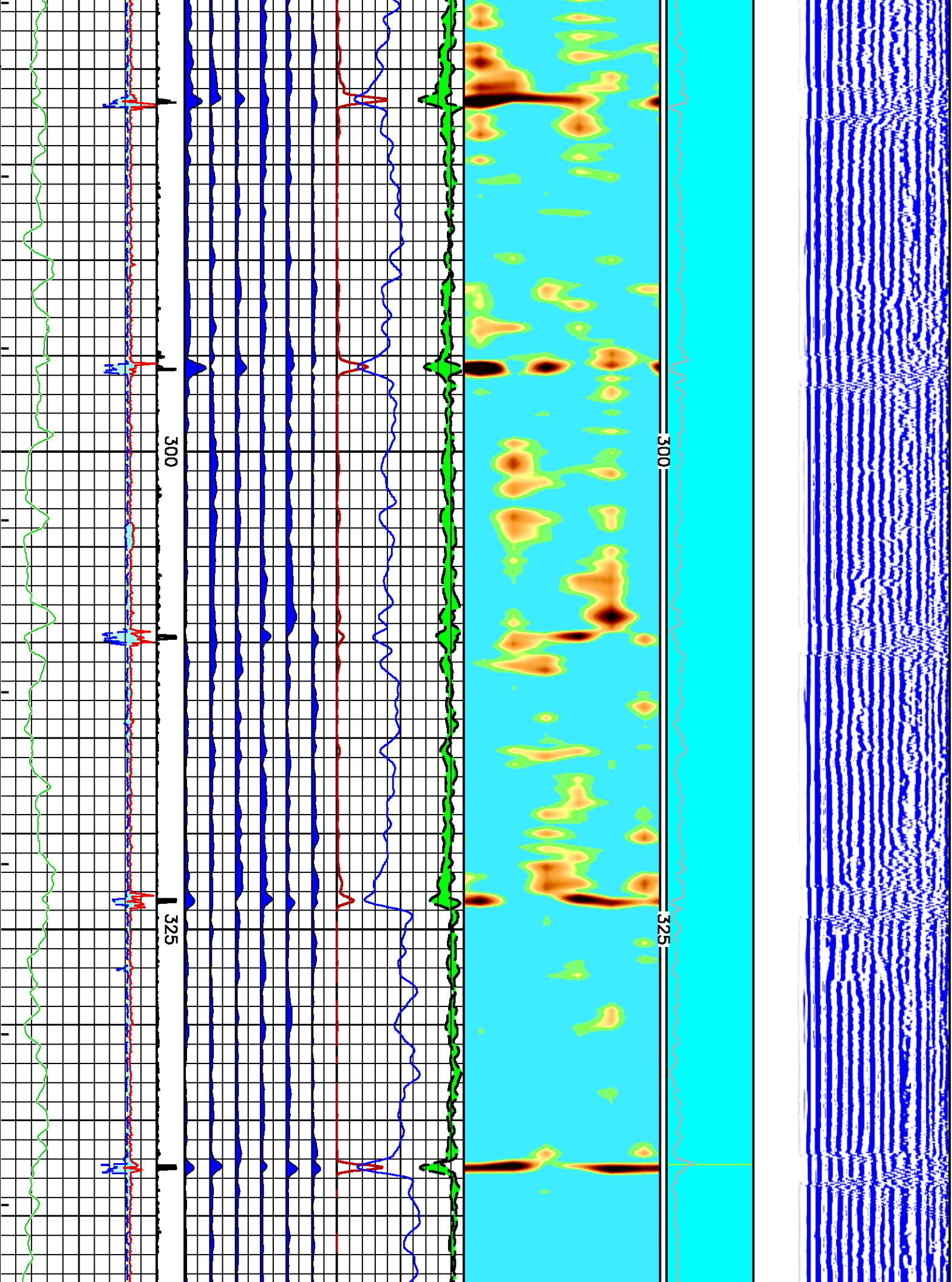


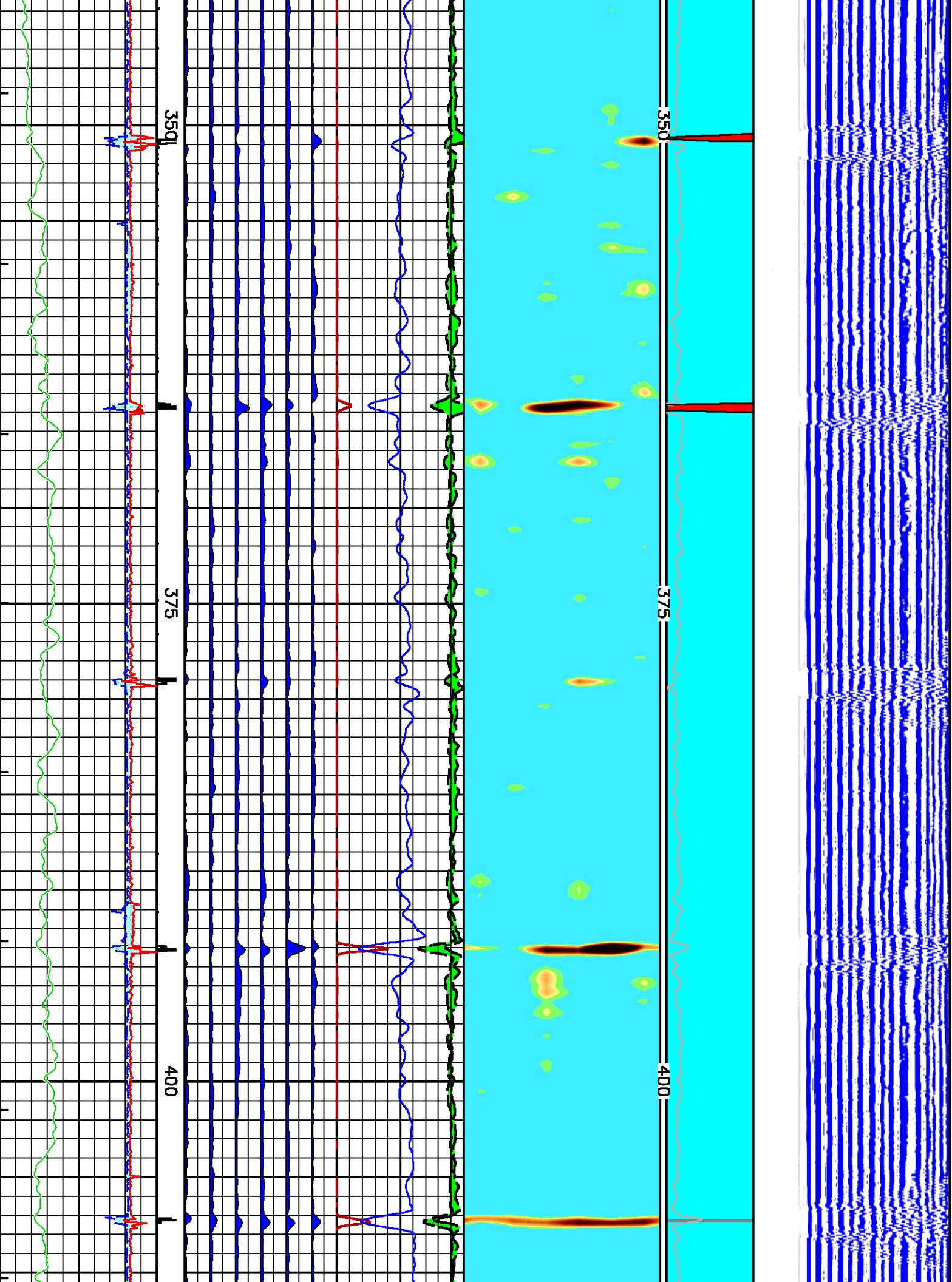




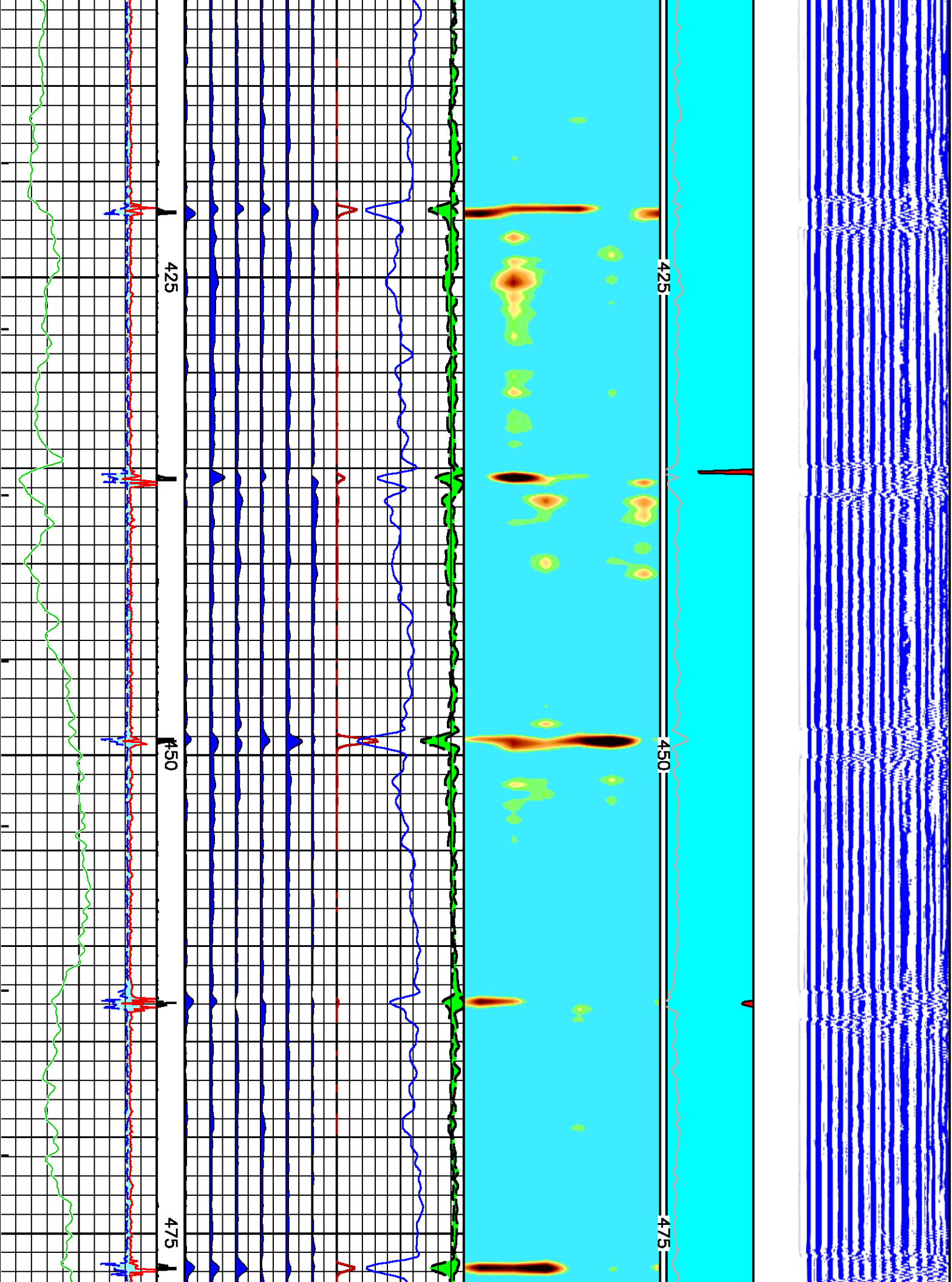


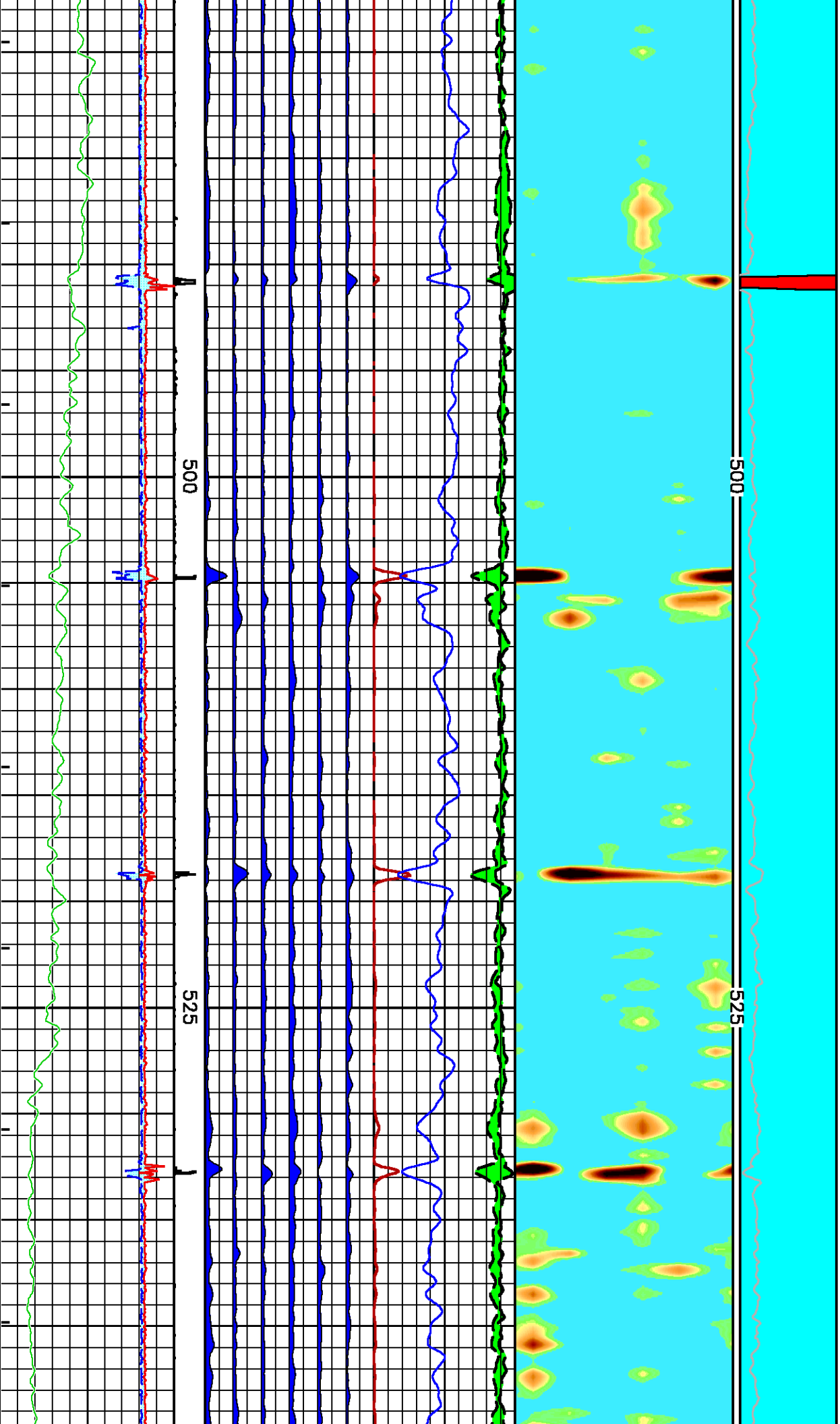
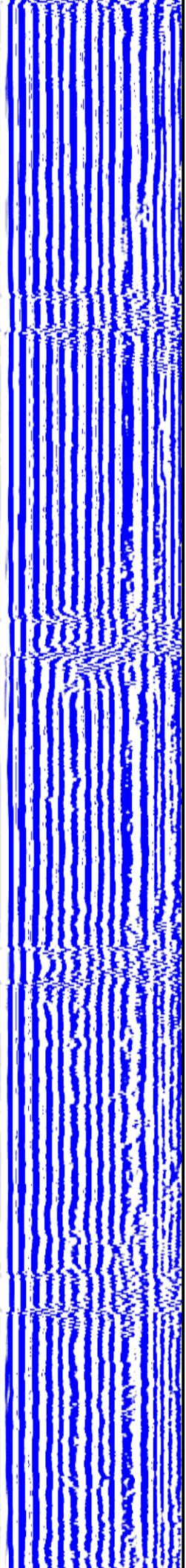


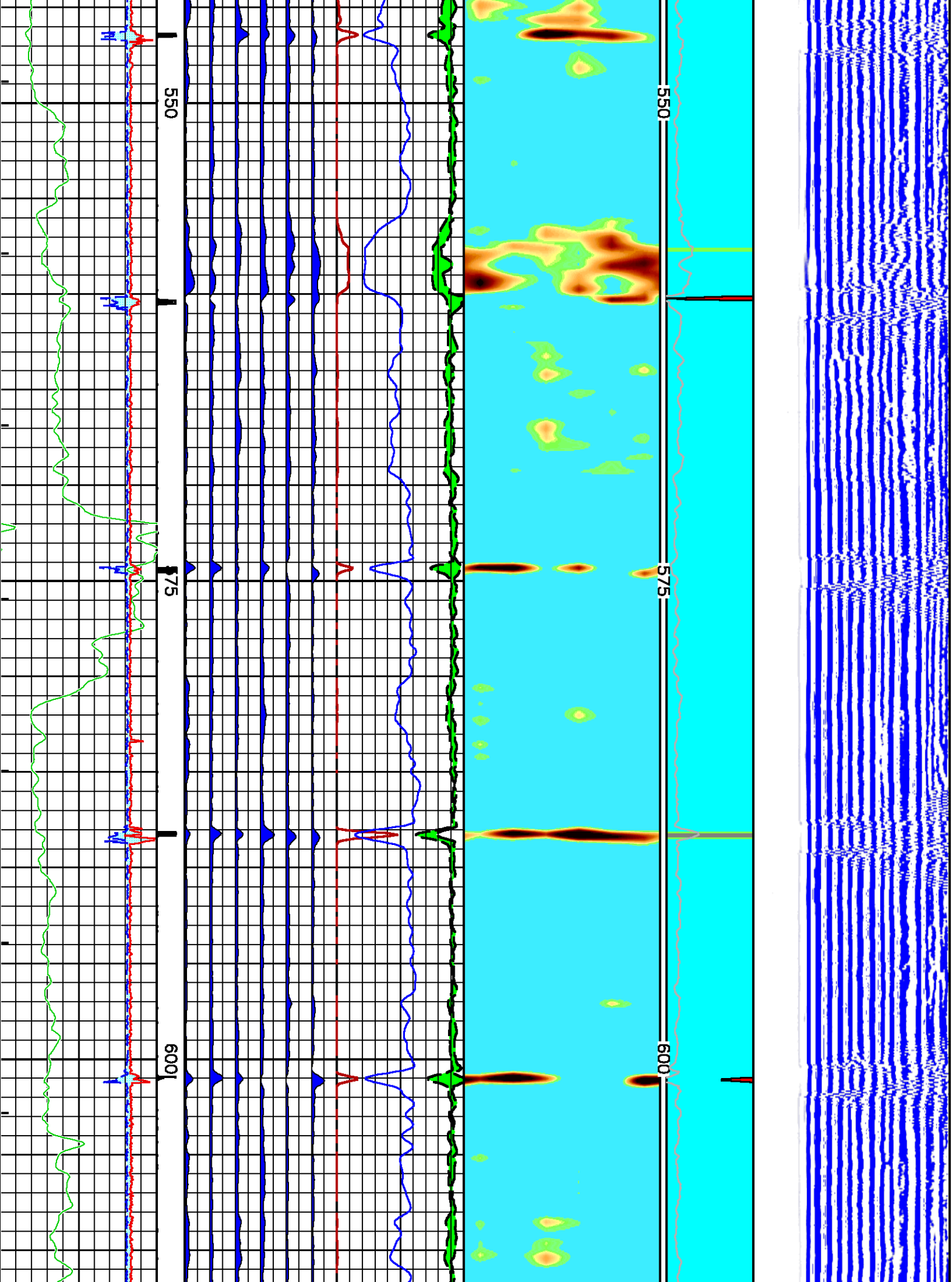


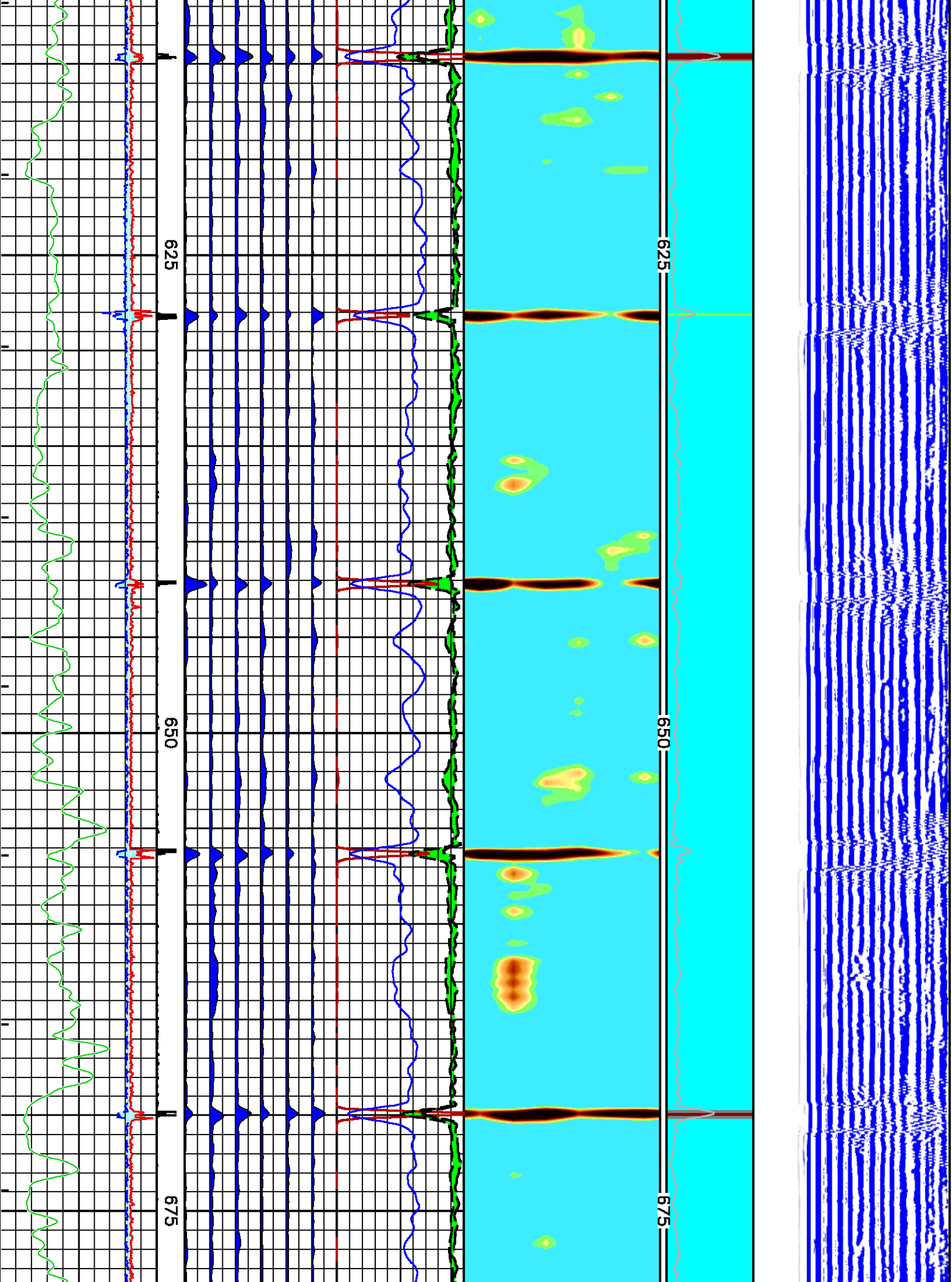




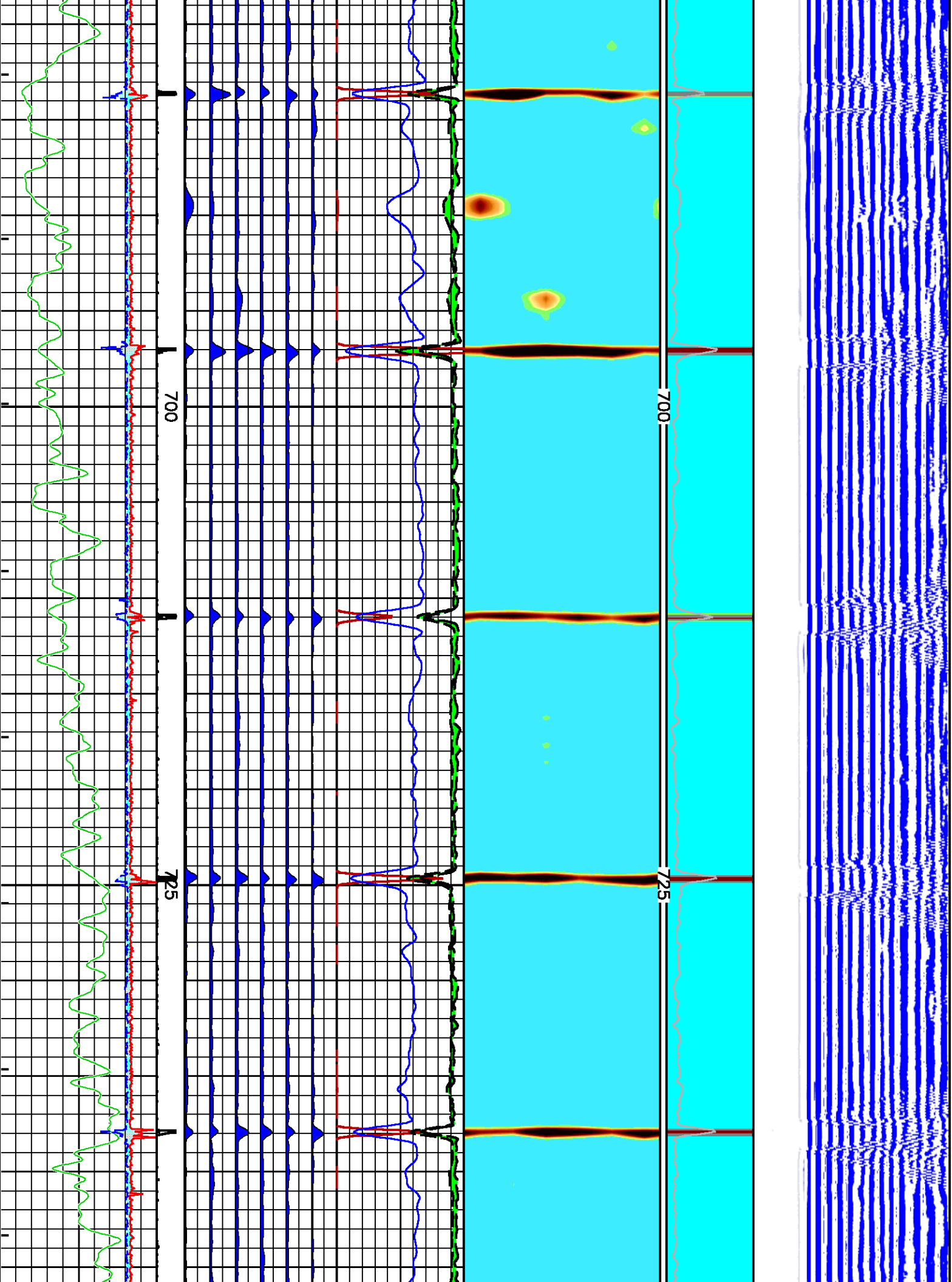




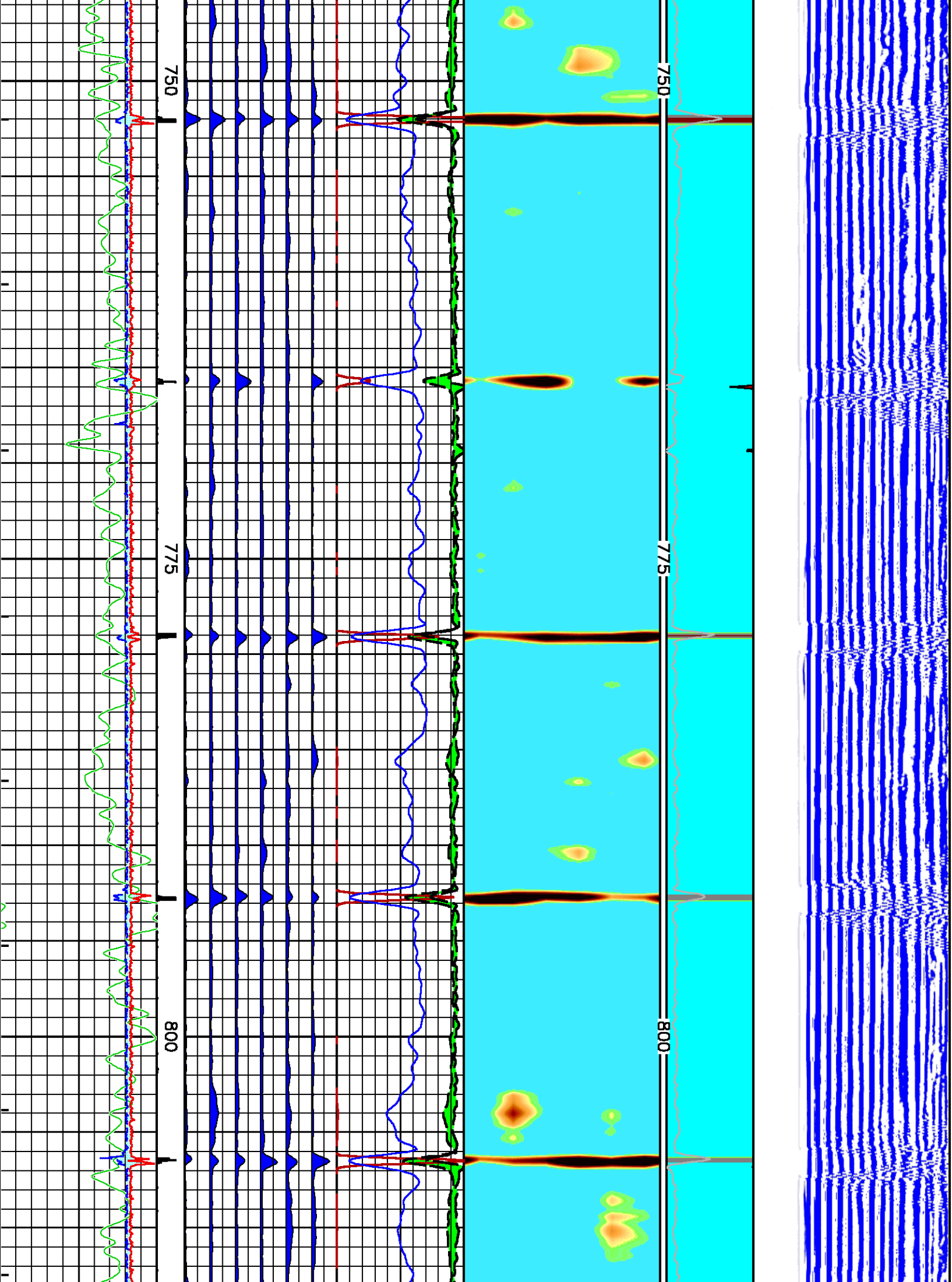


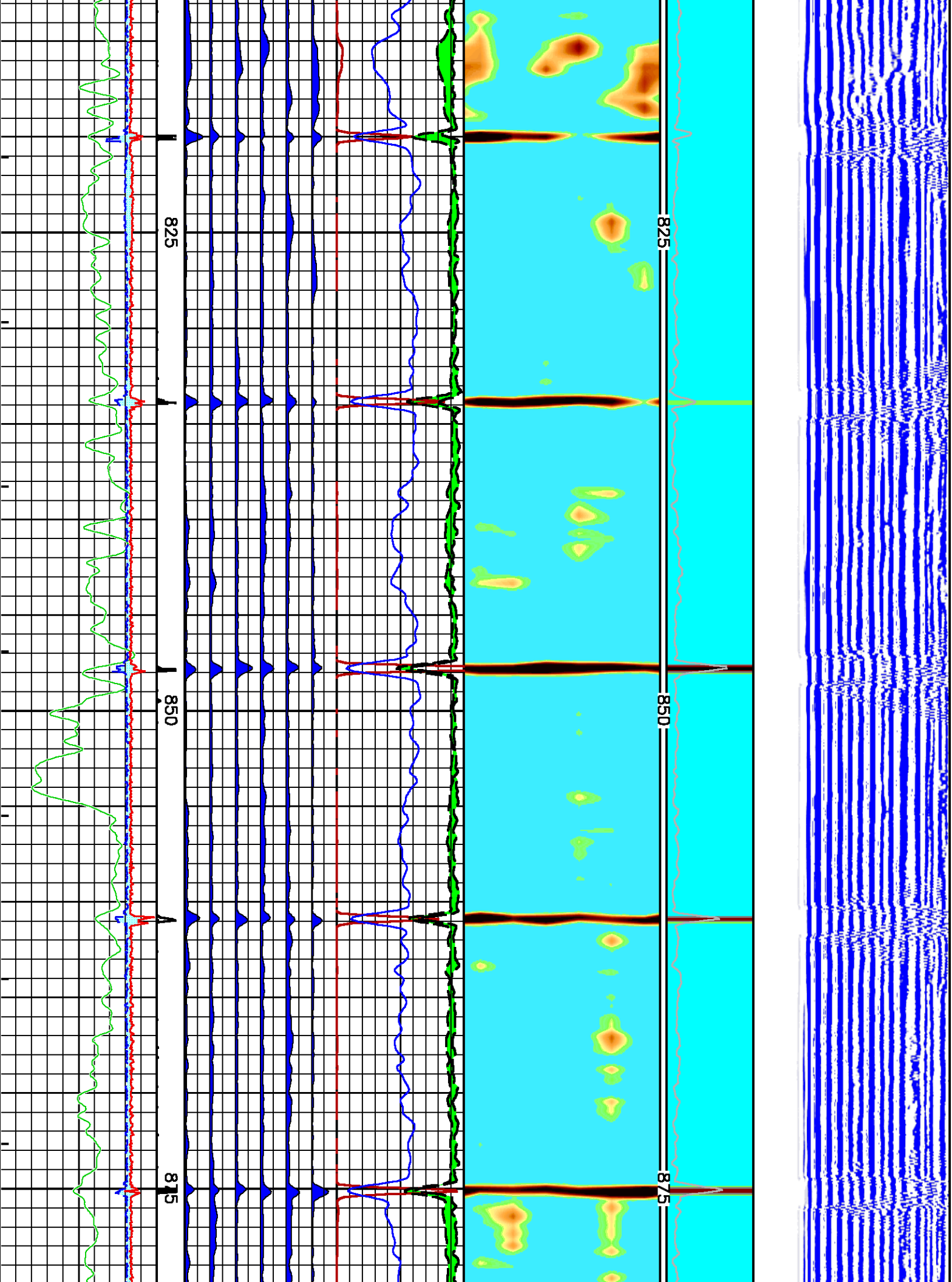


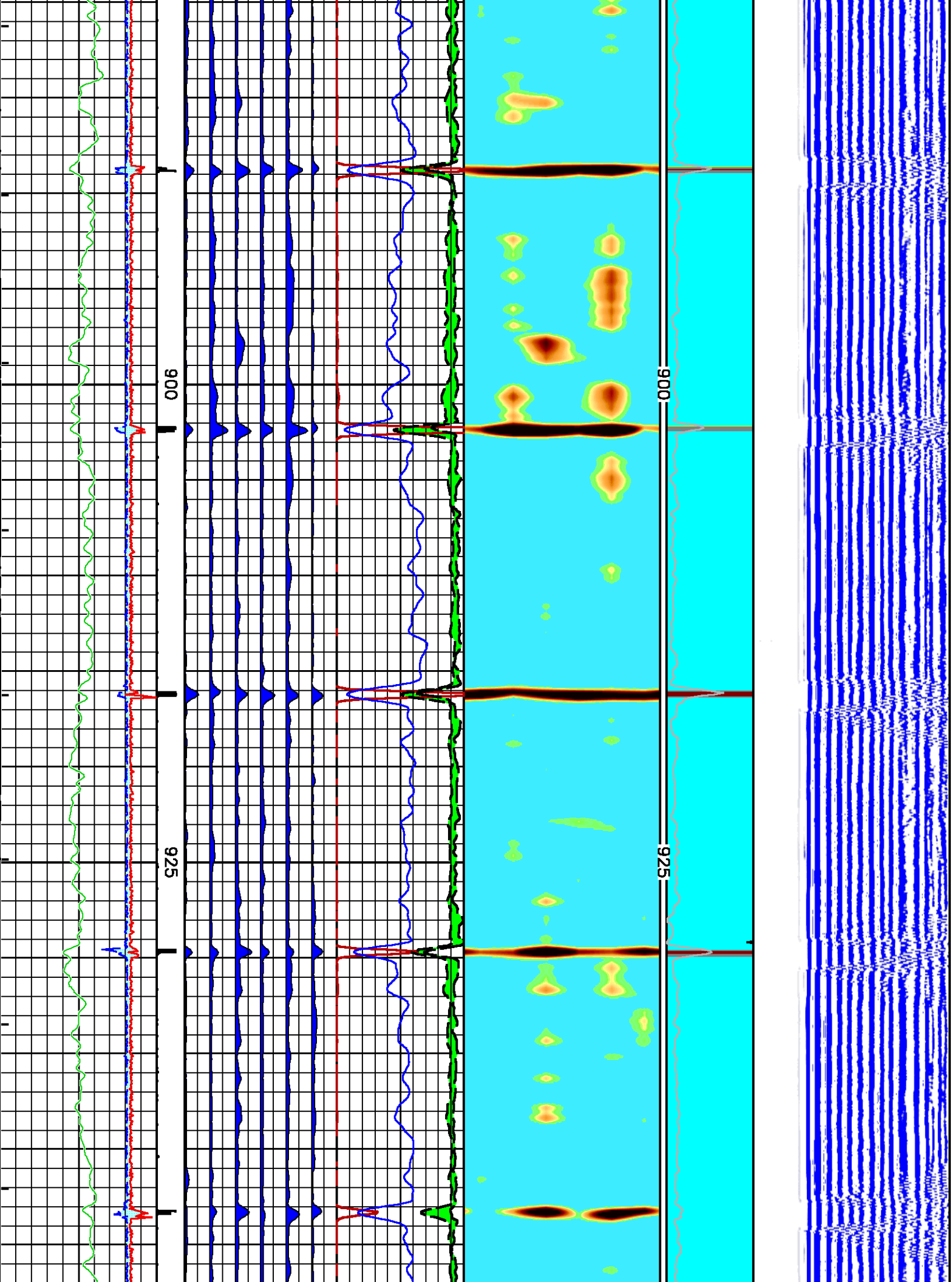


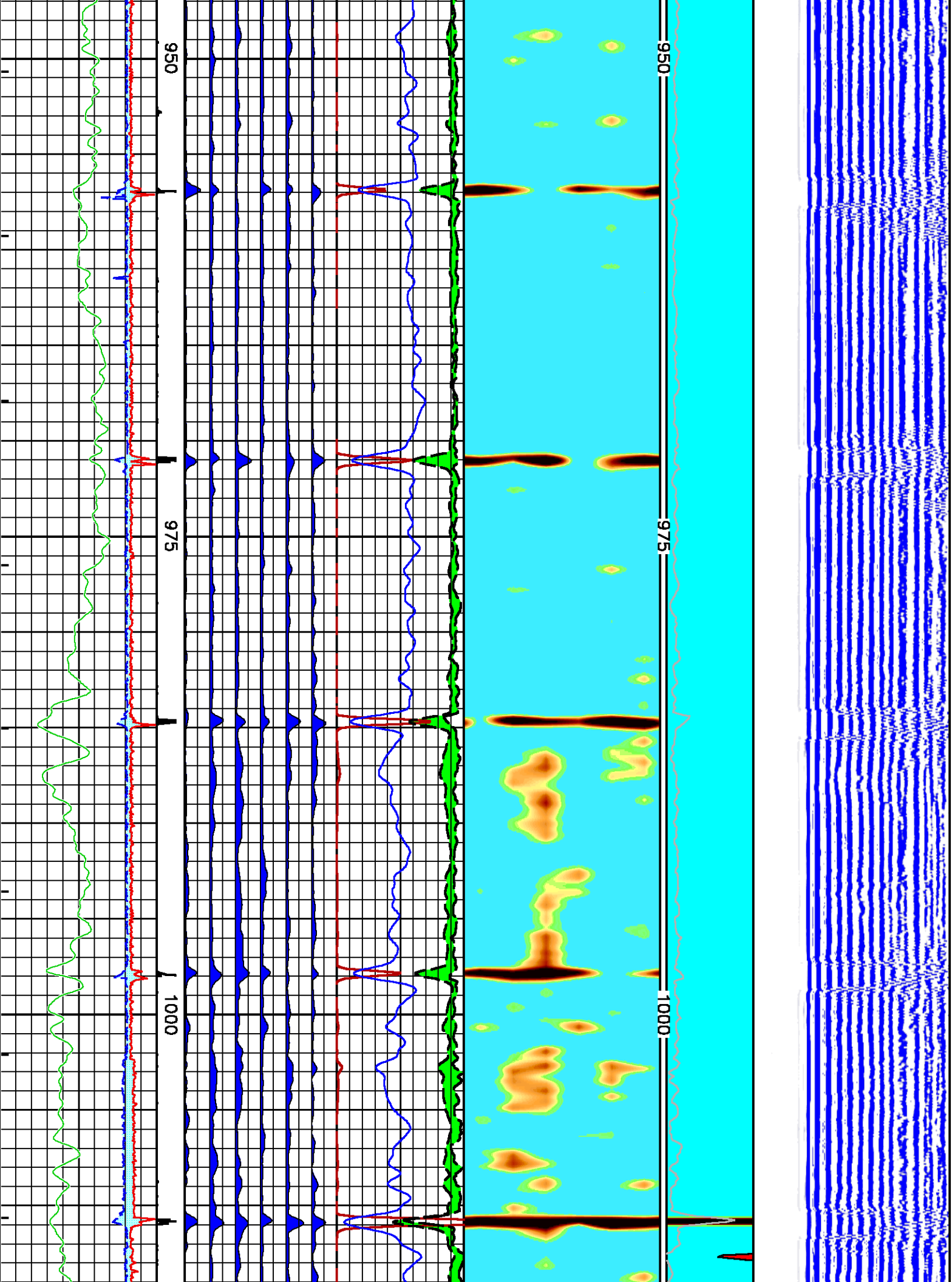




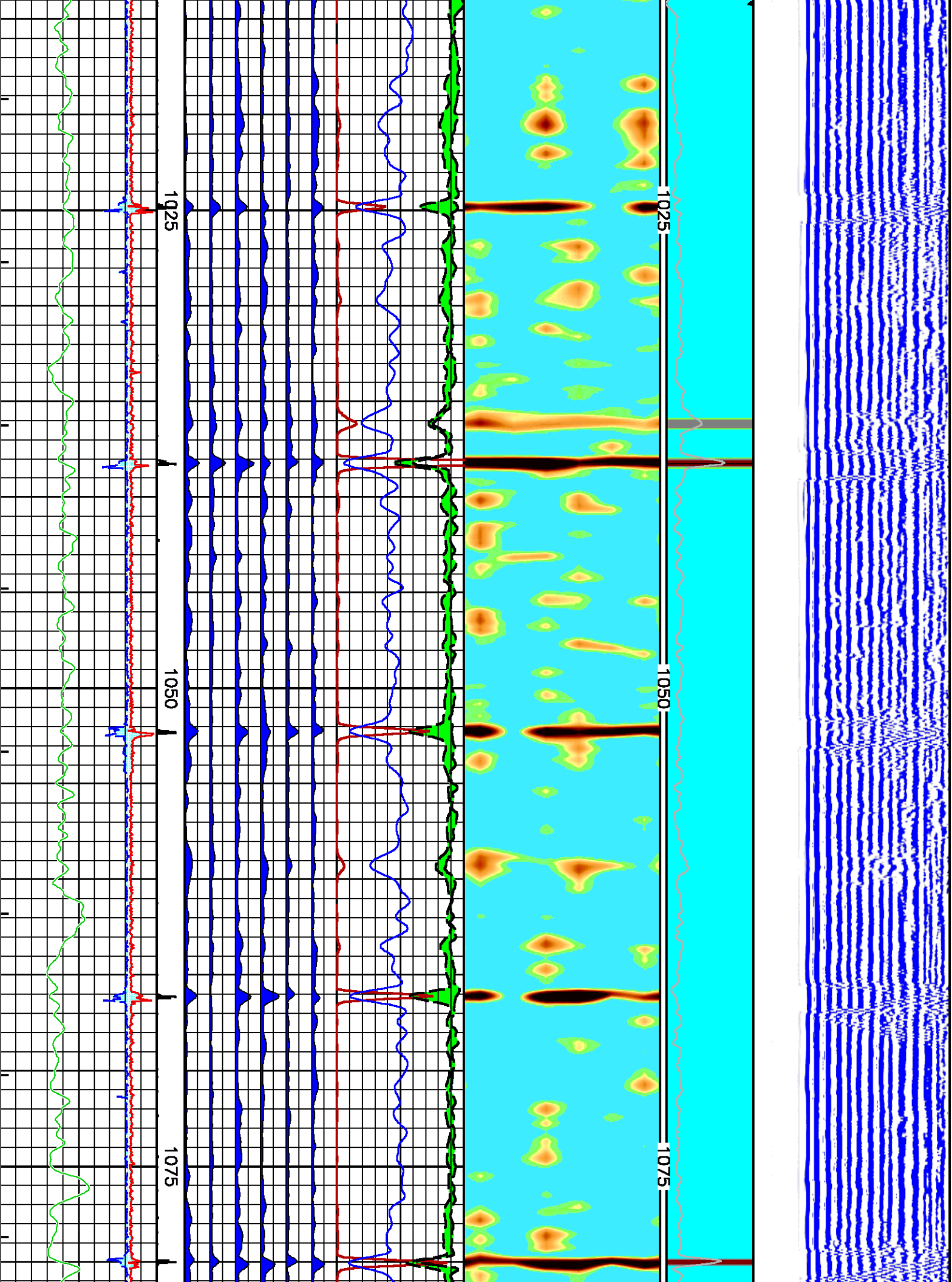




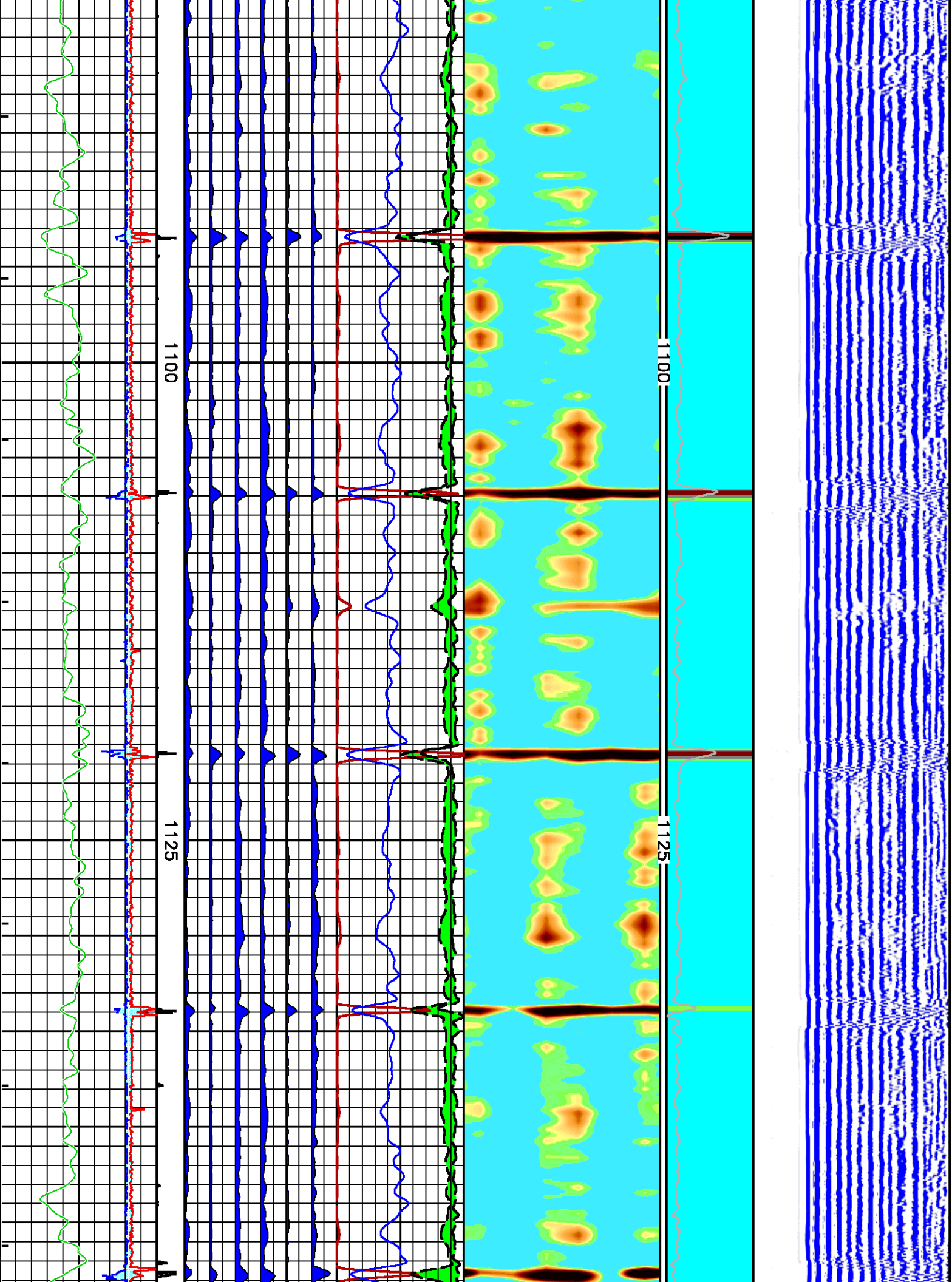


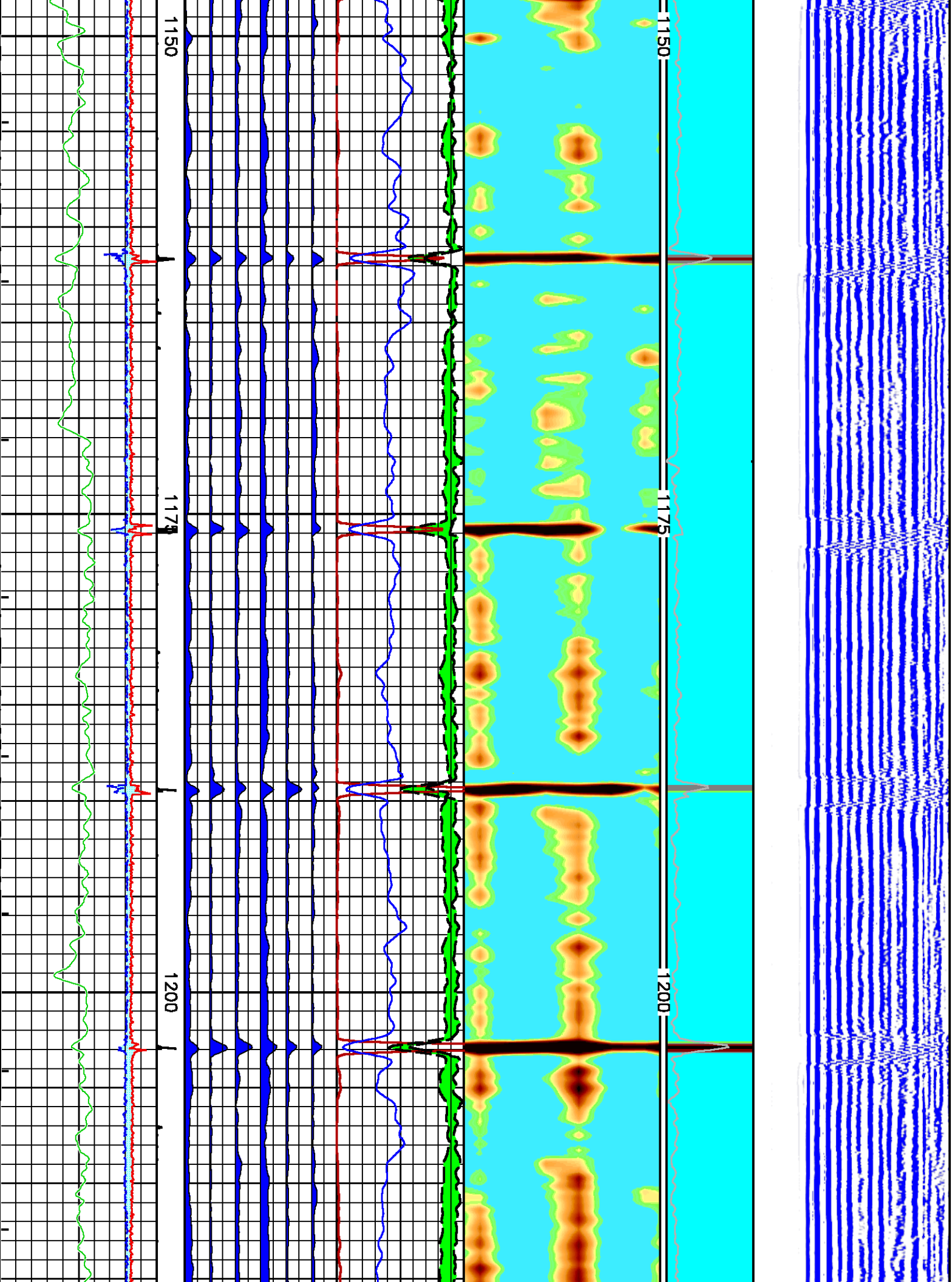


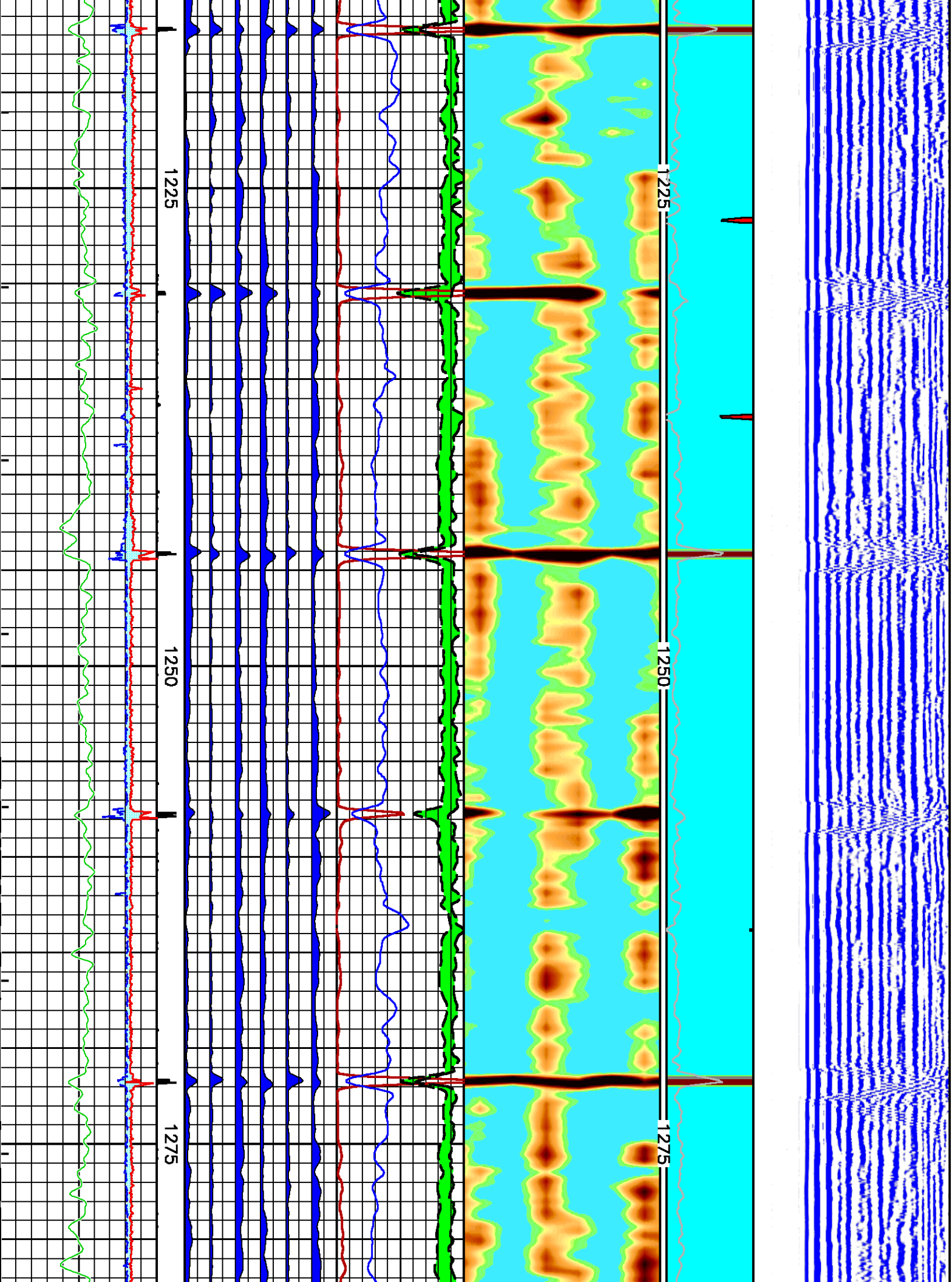




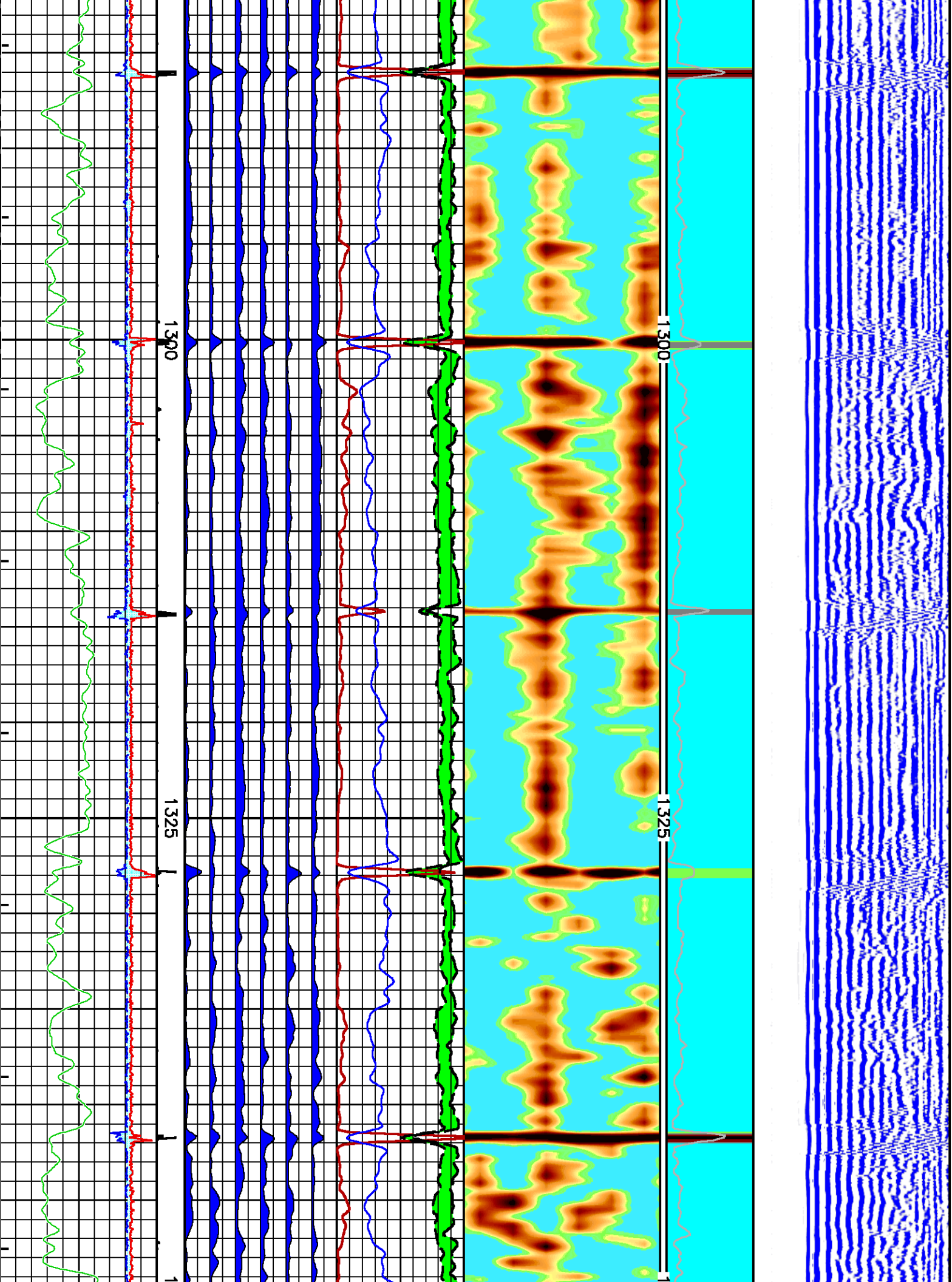


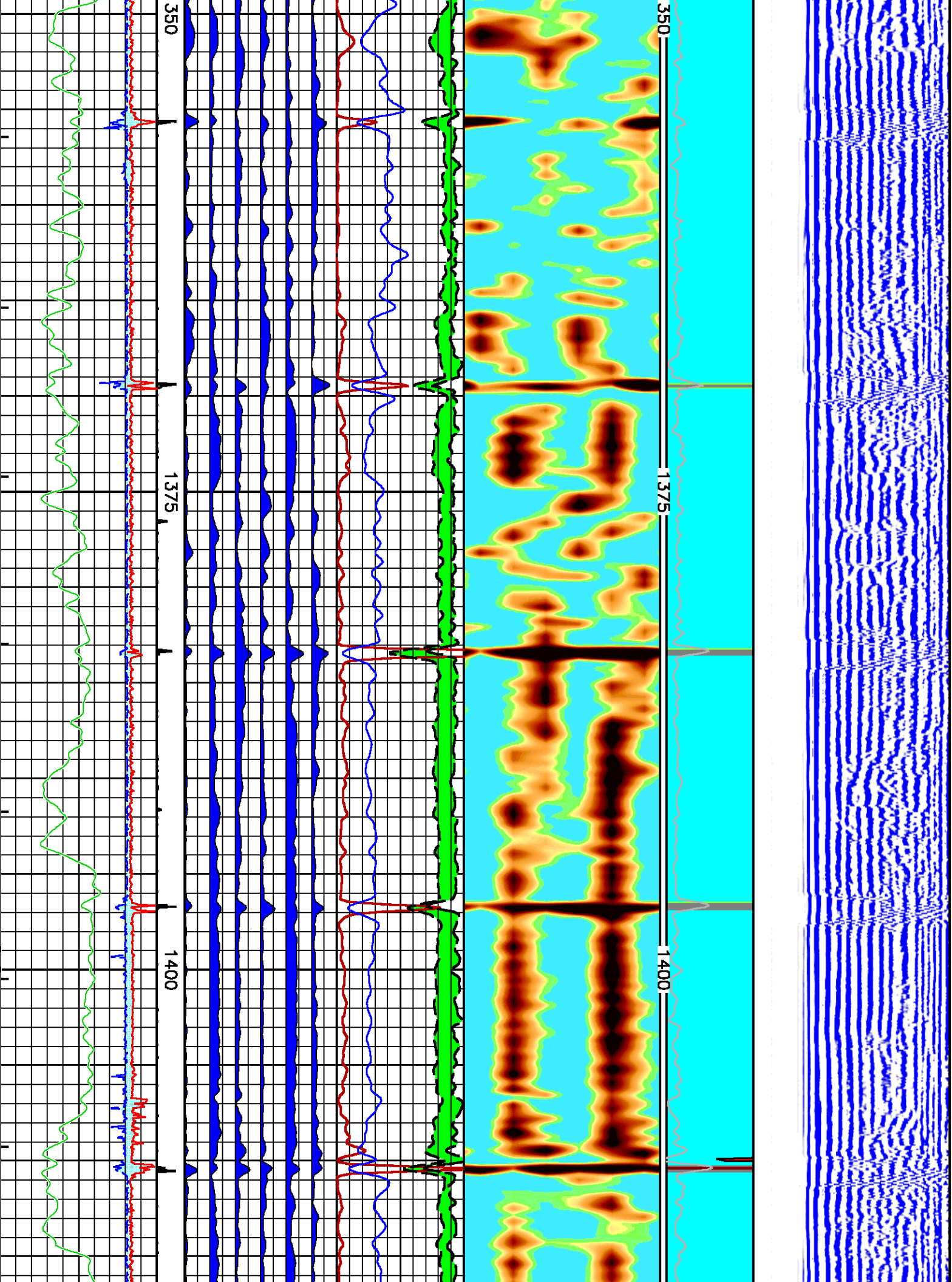




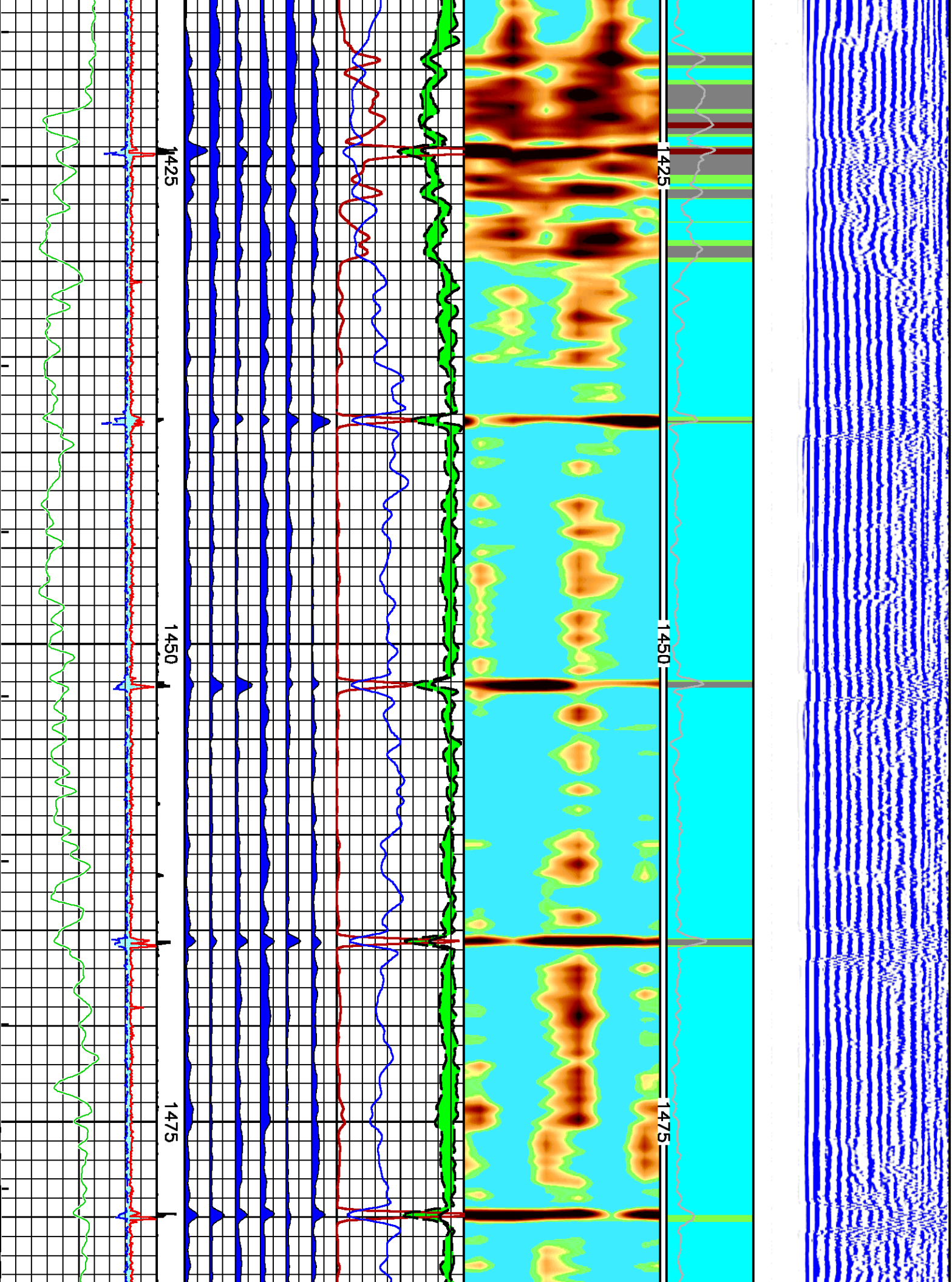


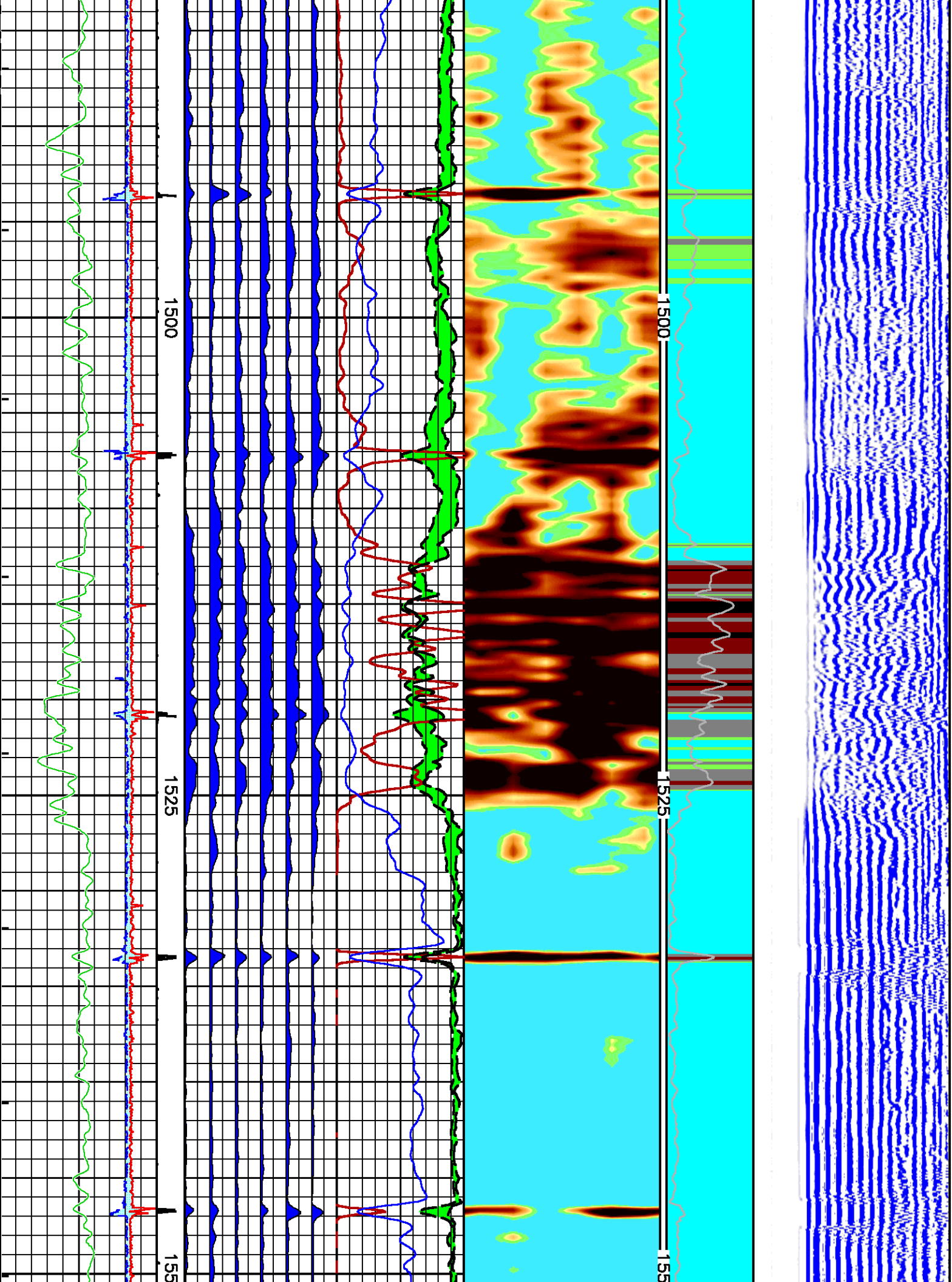


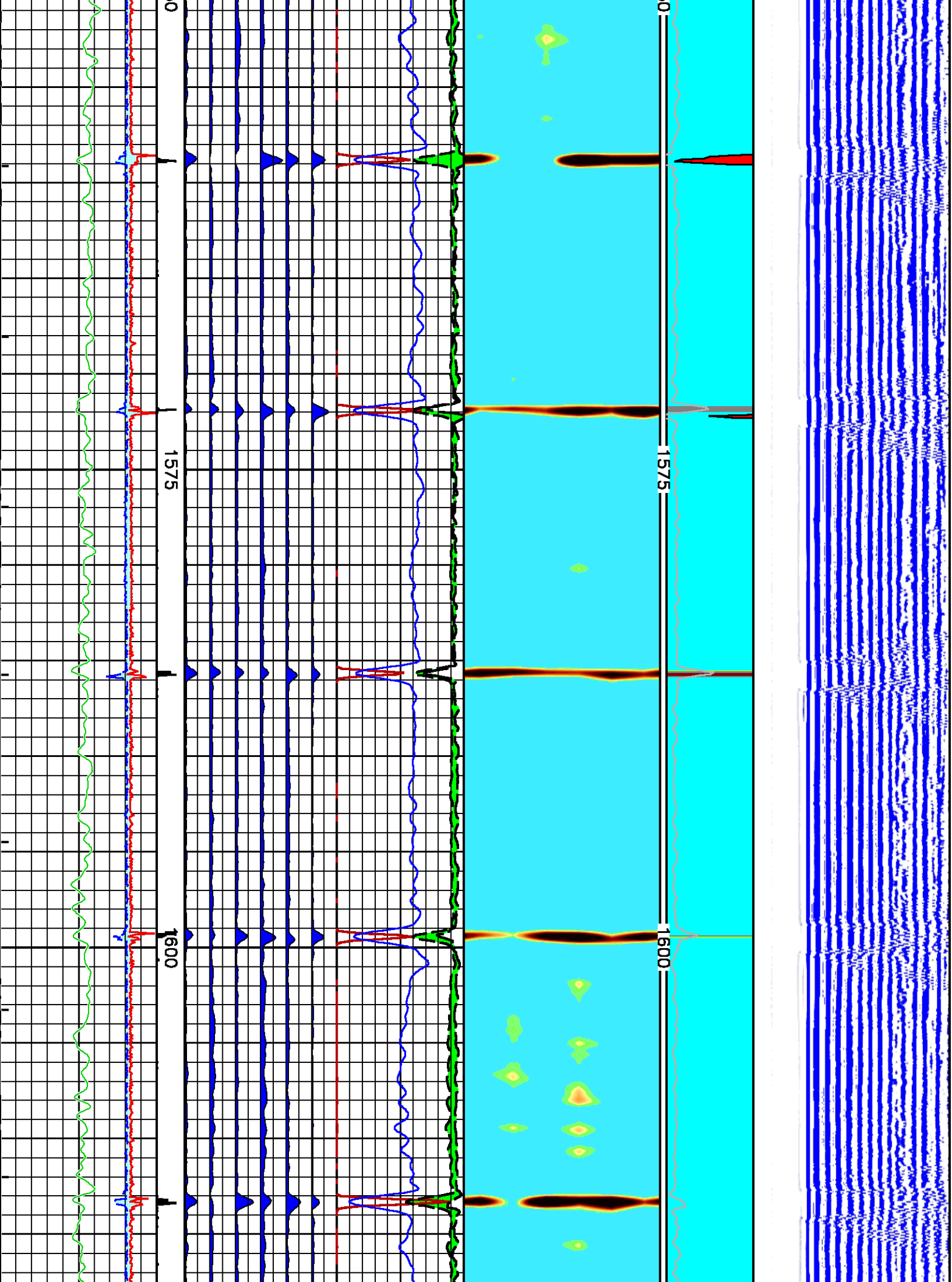




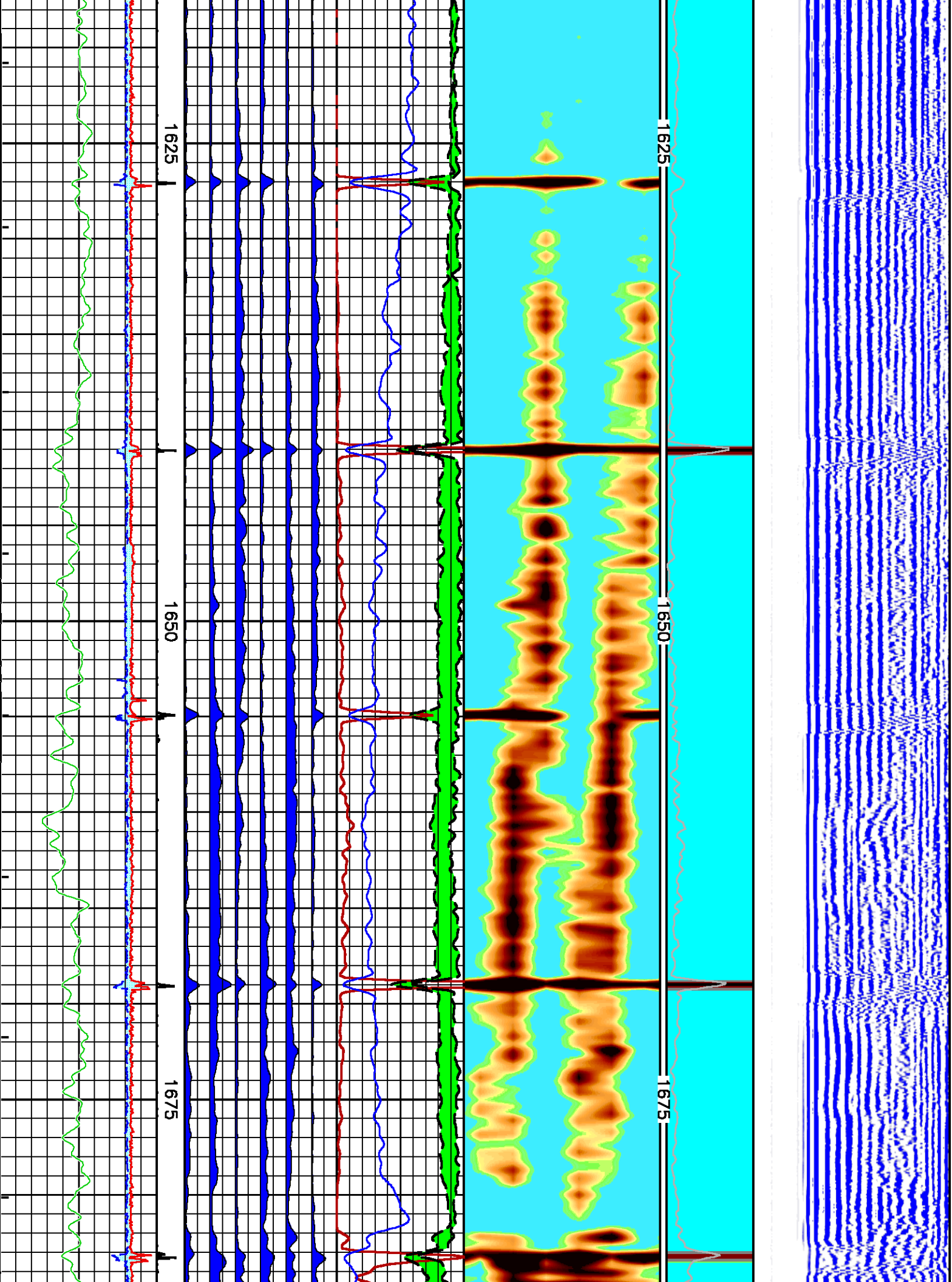




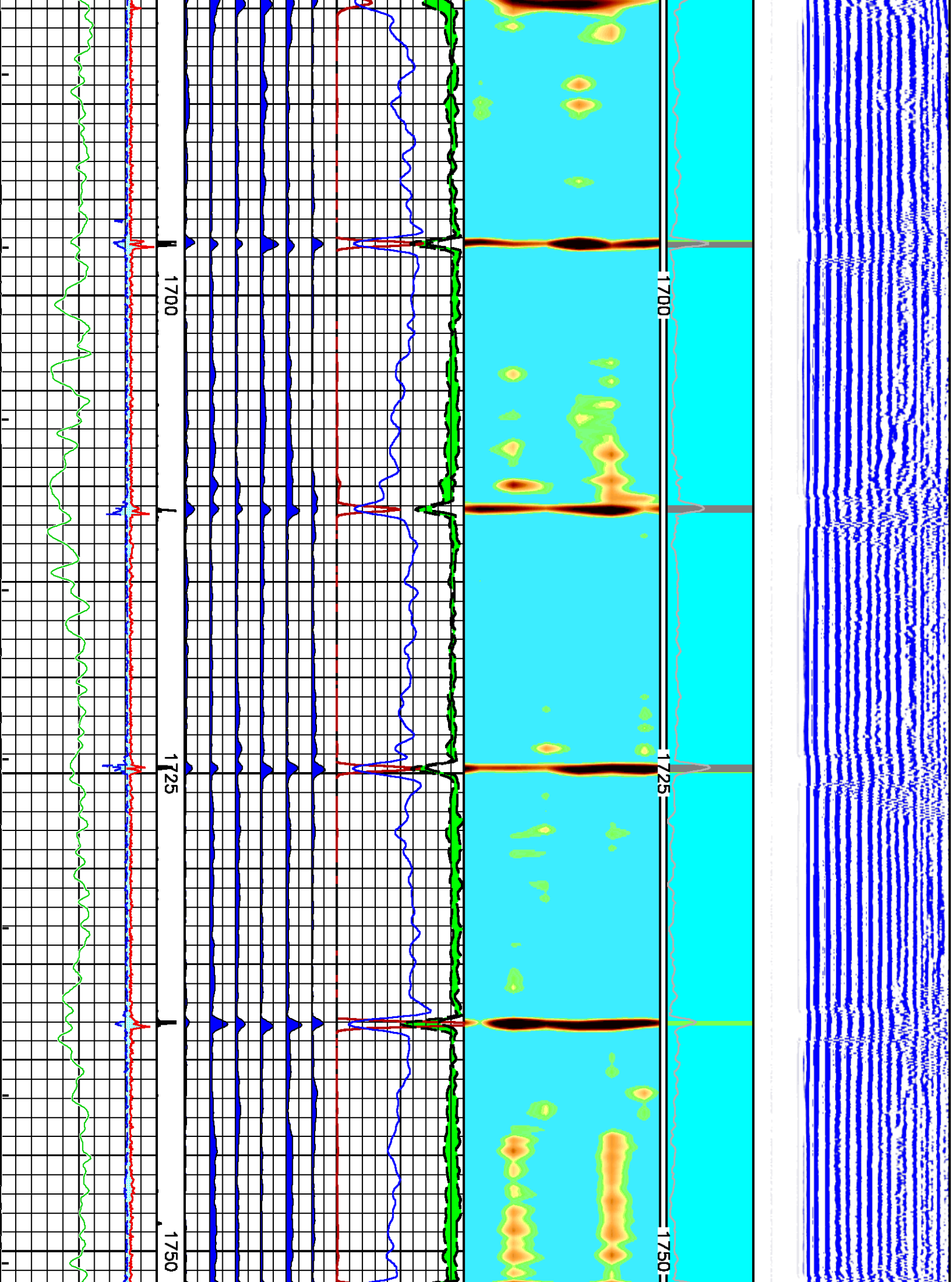


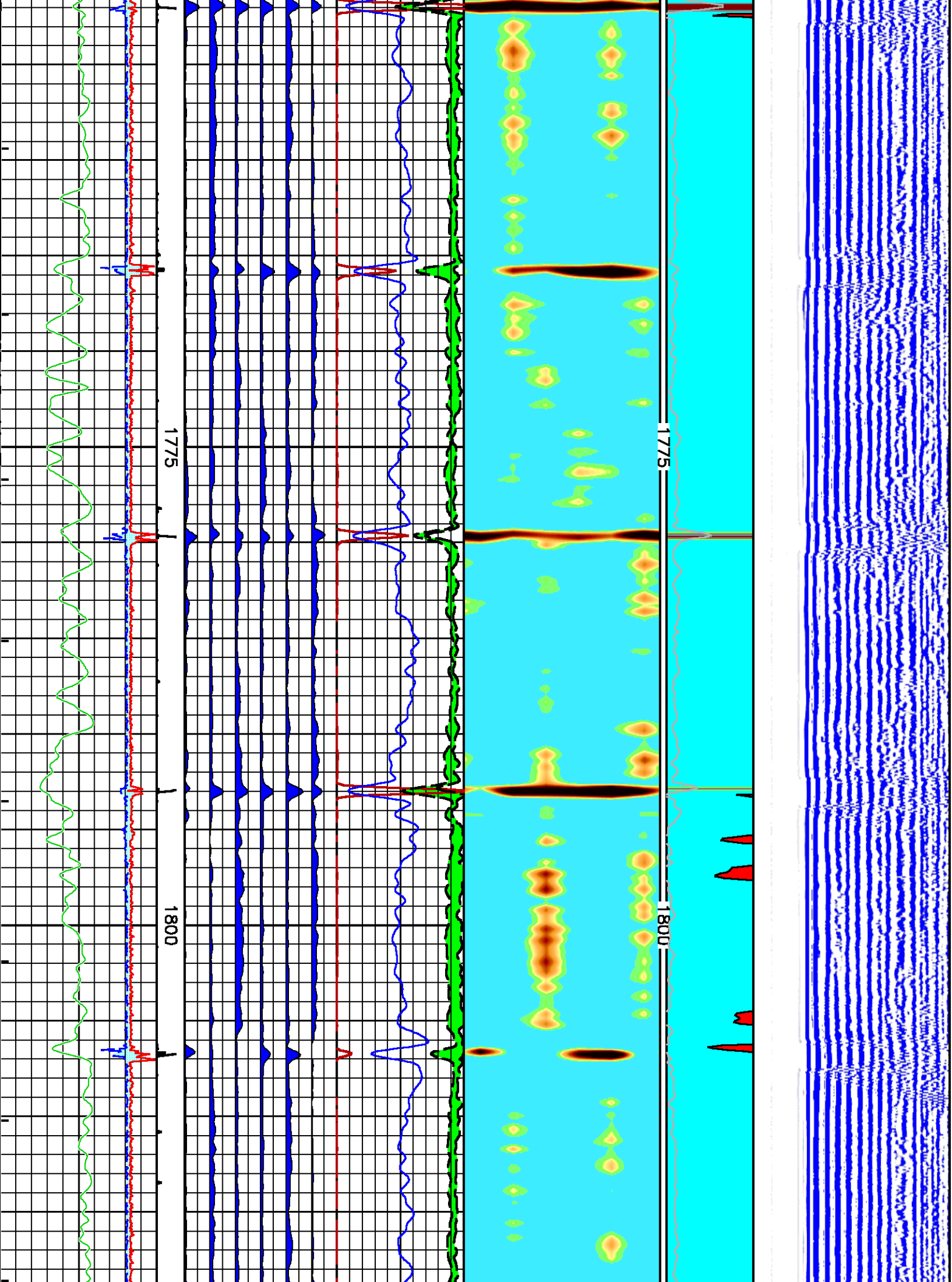


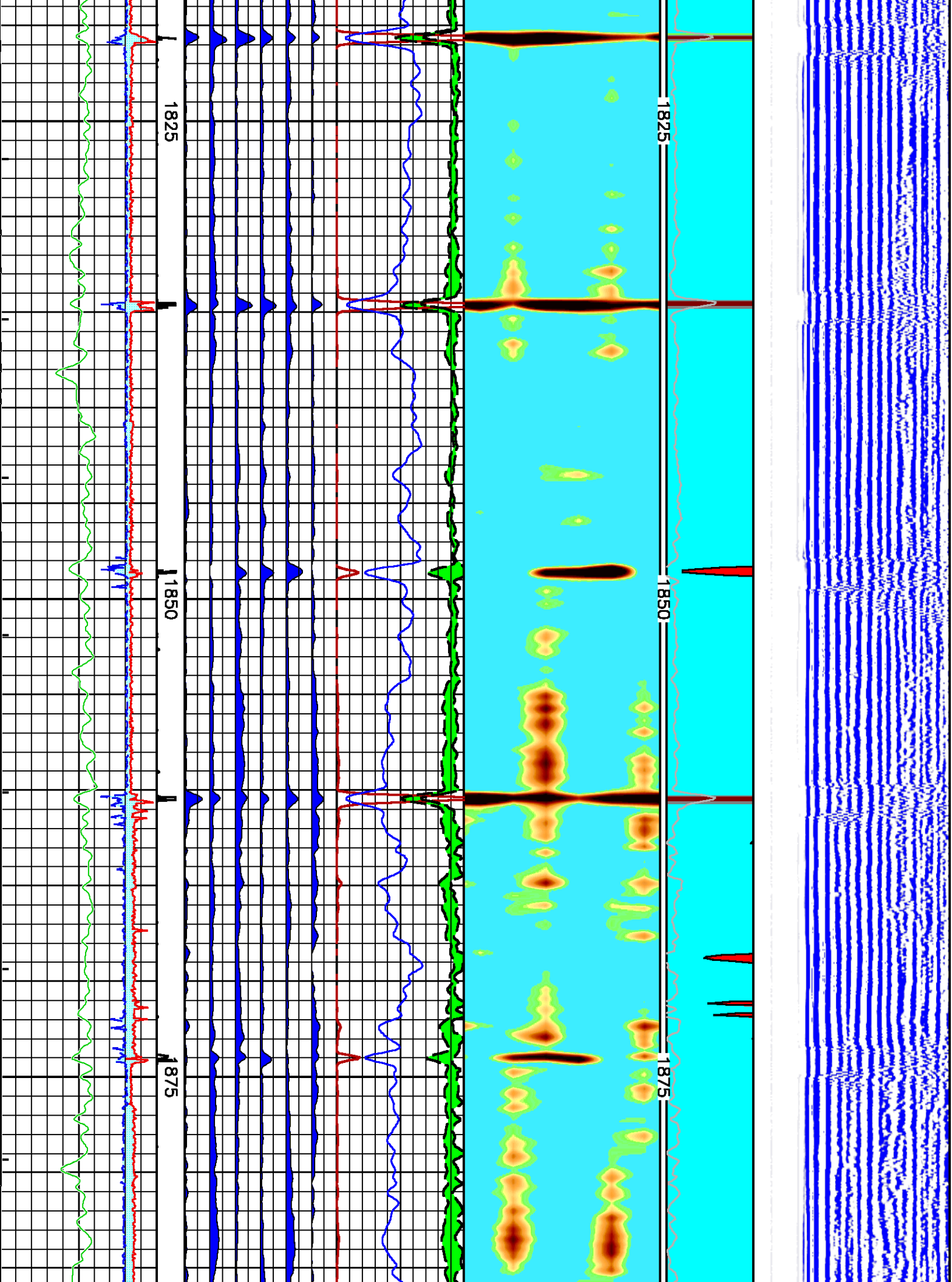




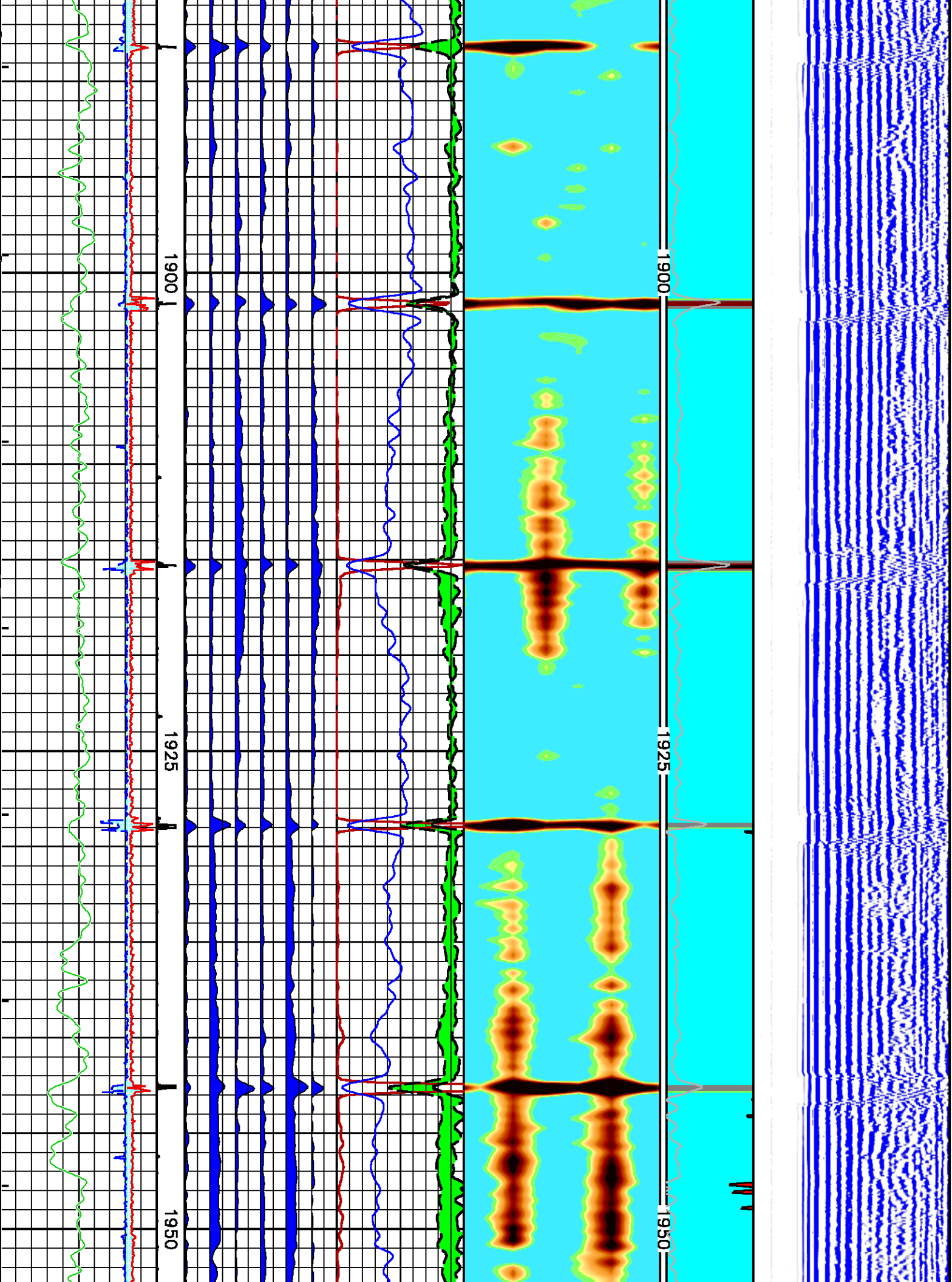


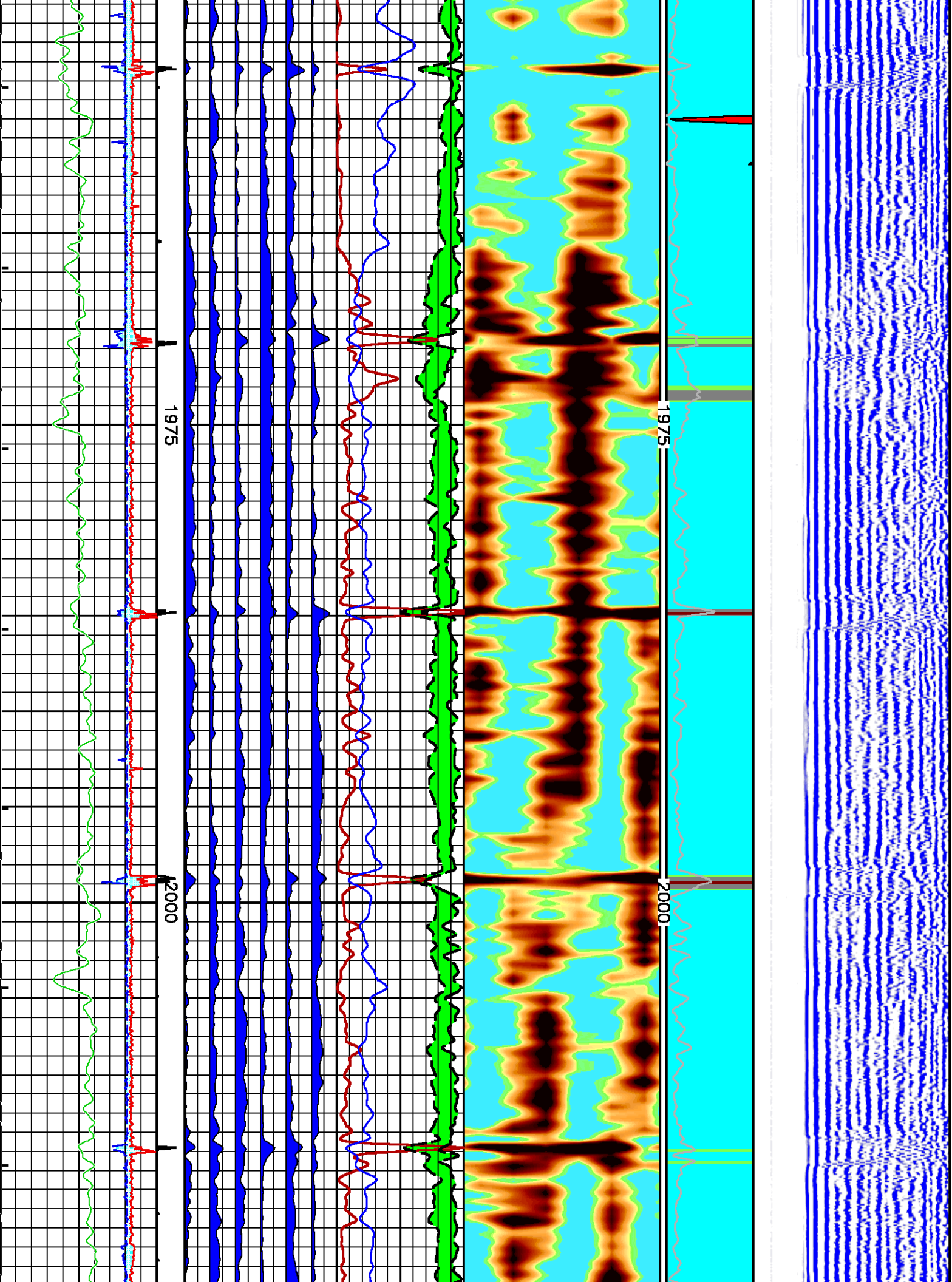




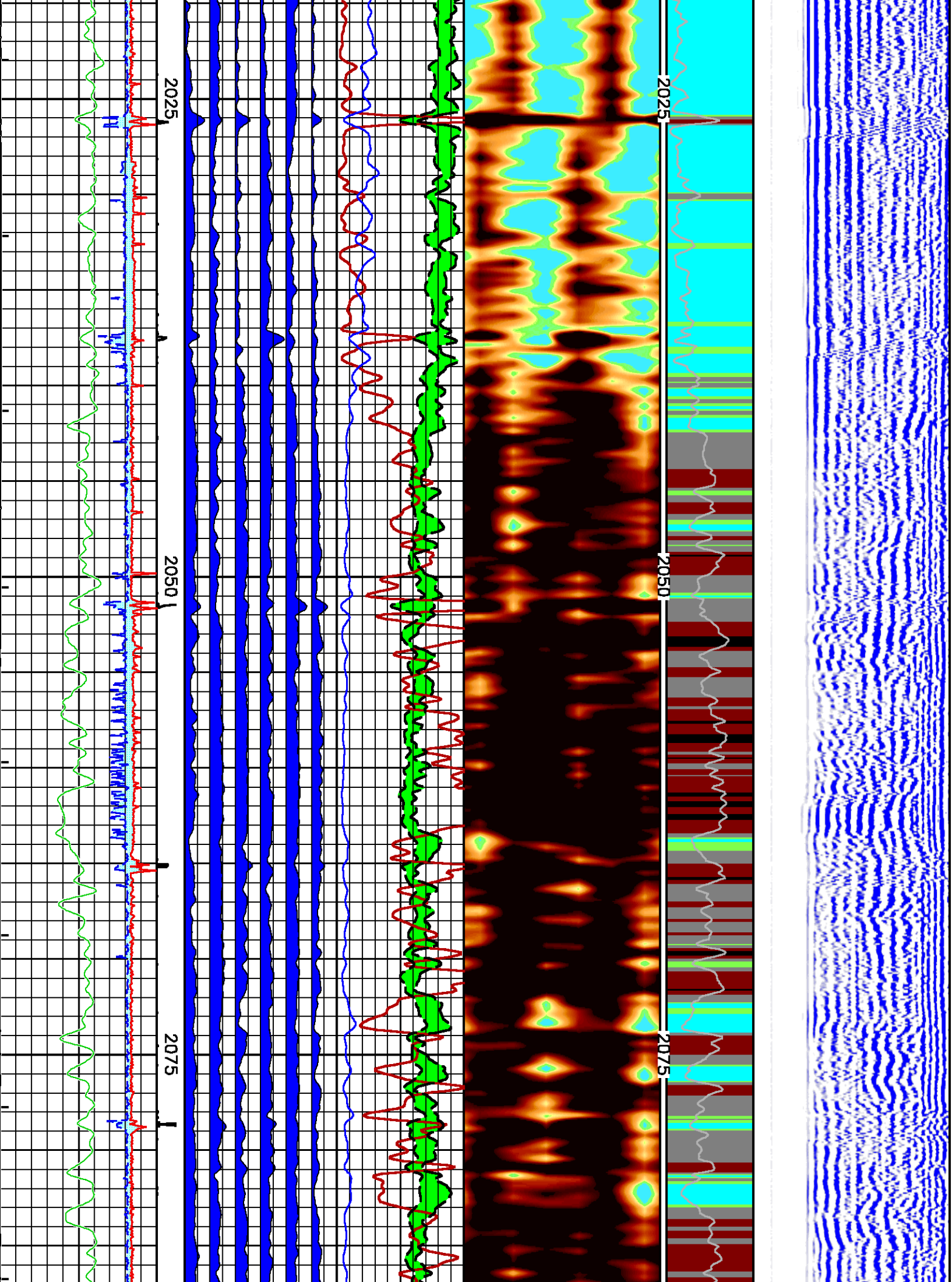




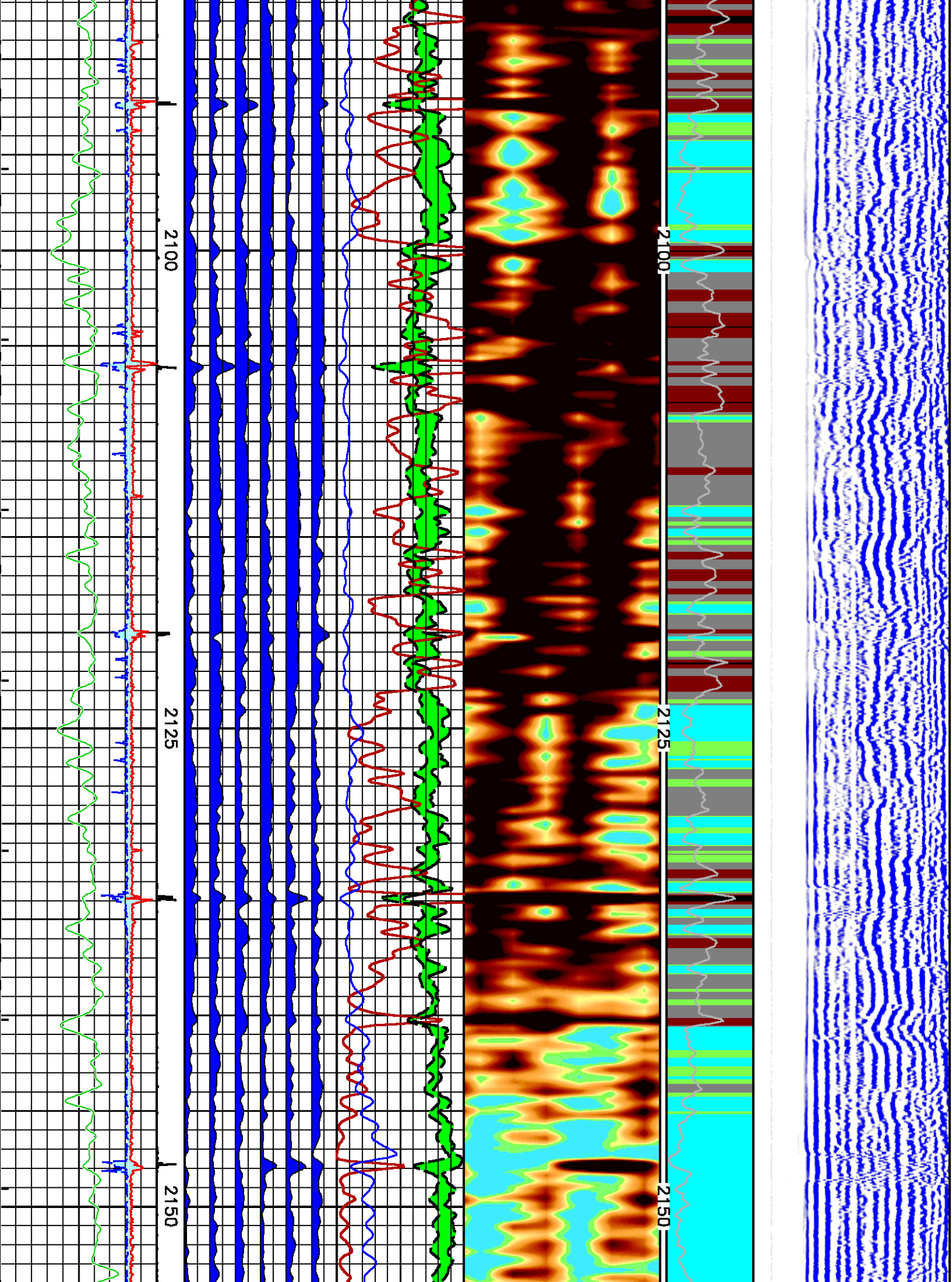


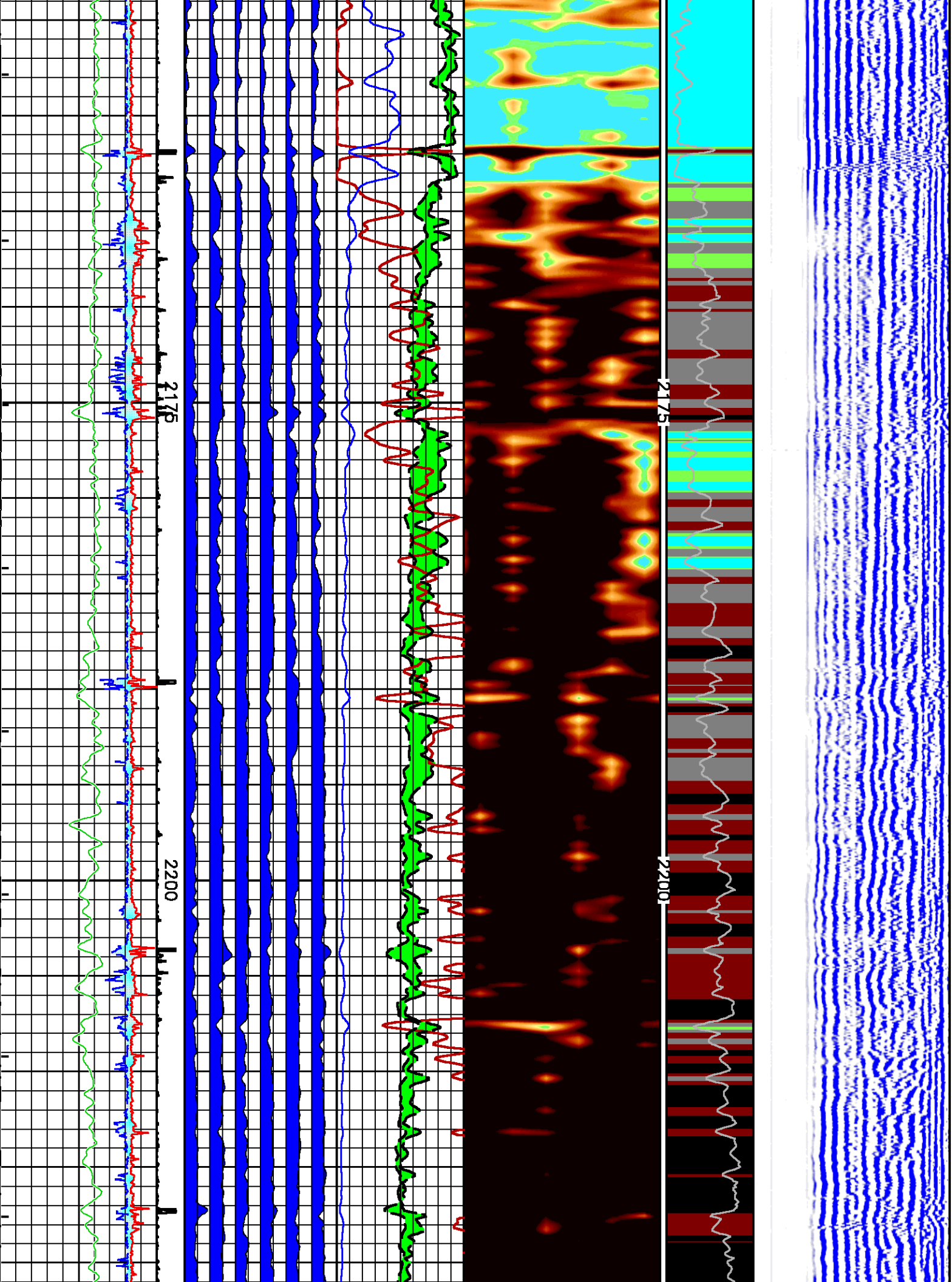




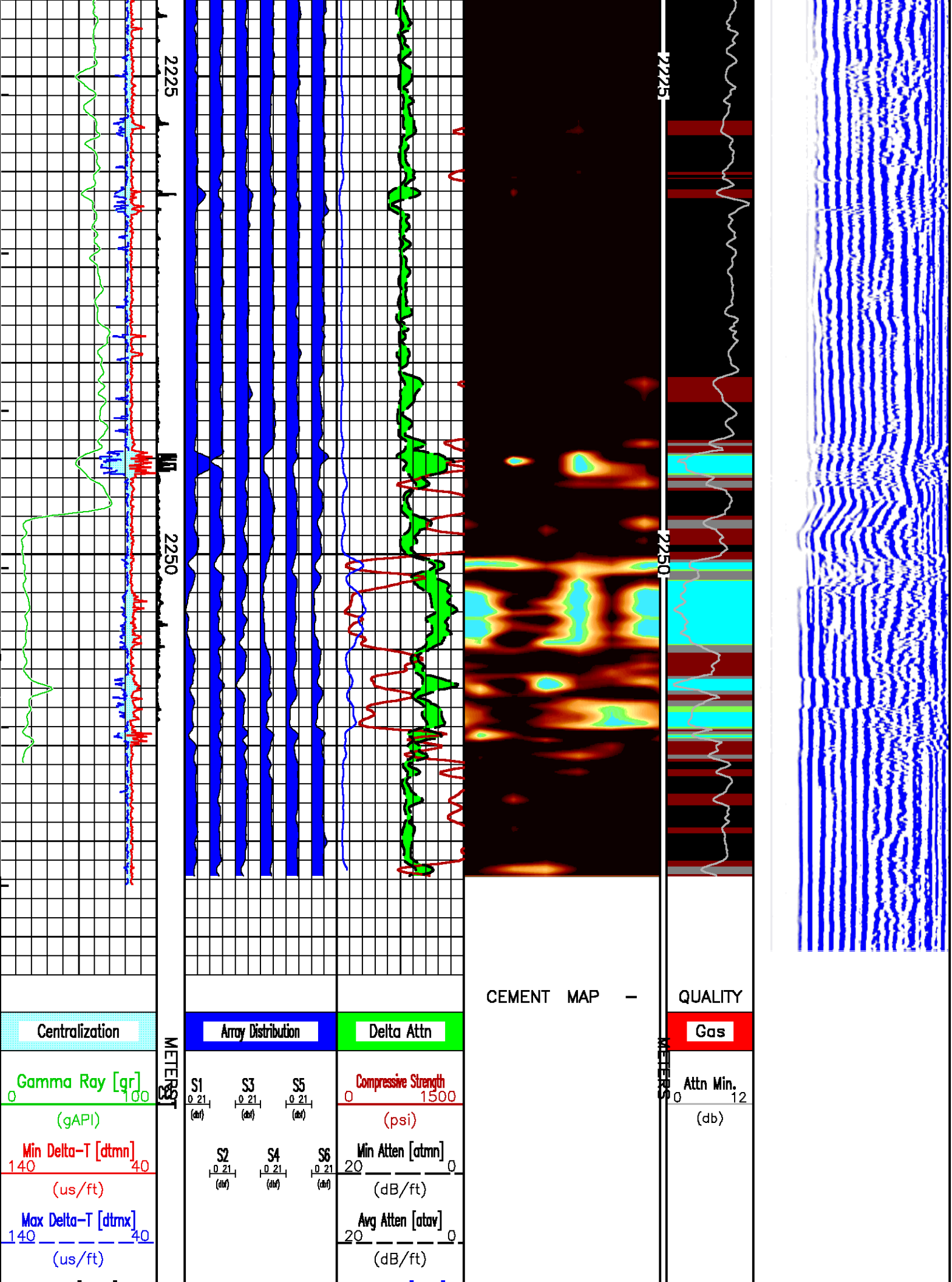




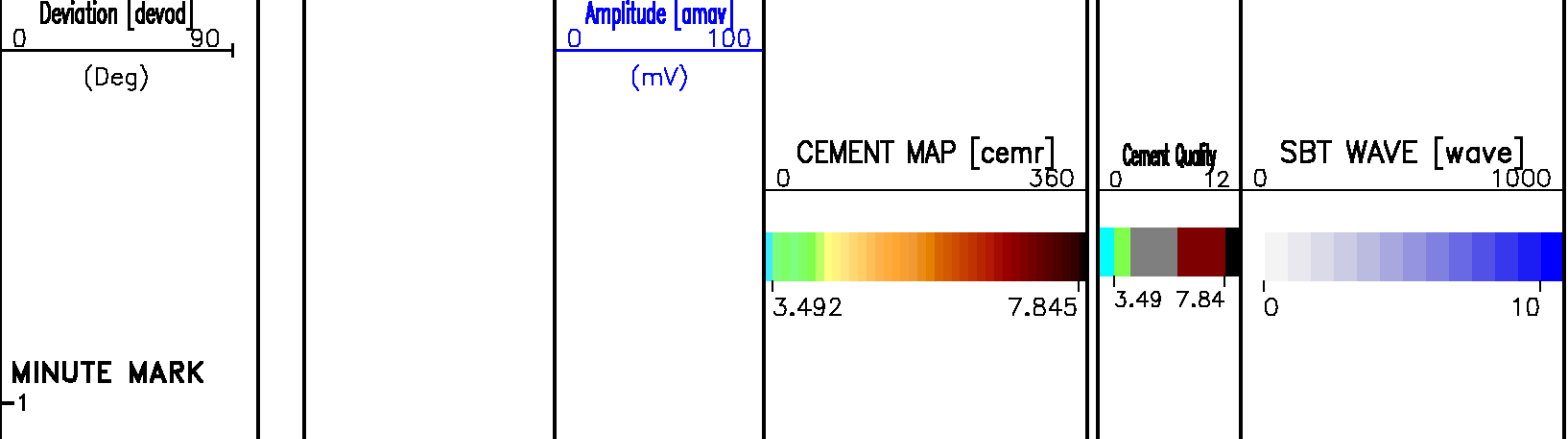



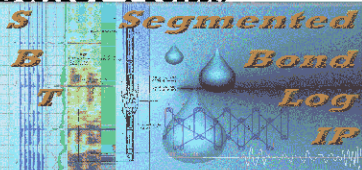










 <b>BAKER HUGHES</b> Baker Atlas 	COMPANY <u>NALCOR ENERGY</u> WELL <u>NALCOR ET AL FINNEGAN #1</u> FIELD <u>FINNEGAN</u> PROVINCE <u>NEWFOUNDLAND AND LABRADOR</u>		FILE NO: _____ API NO: _____
	LOCATION: LICENSE #: 2010-128-04 LAT <u>49.92 N</u> LONG <u>63.33 W</u>	ELEVATIONS: KB <u>125.00 M</u> DF _____ GL <u>118.75 M</u> DATE <u>27-NOV-2010</u>	LICENSE: 2010-128-04