



PIONEER

Pioneer Energy Services

**RADIAL BOND LOG
WITH GAMMA RAY**

RECEIVED

By James Thum at 1:31 pm, Dec 29, 2021

Company **SNAKE RIVER OIL & GAS**

Well **FALLON #1-11**

Field **HARMON**

County **PAYETTE** State **IDAHO**

Location: API #: 11-075-20037

Other Services

NE SW
185' FSL & 813' FWL
SEC 11 TWP 8N RGE 05W

Permanent Datum G.L. Elevation 2161'
Log Measured From K.B. 12' Above Perm. Datum
Drilling Measured From K.B. G.L. 2173'
G.L. 2161'

Comp. SNAKE RIVER OIL & GAS
Well FALLON #1-11
Field HARMON
Co. PAYETTE
State IDAHO

Date of Service 08-DECEMBER-2021

Run Number ONE

Depth Driller or PBTD 5393'

Depth Logger 5392'

Bottom Log Interval 5392'

Top Log Interval SURFACE

Open Hole Size N/A

Type Fluid WELL

Fluid Level SURFACE

Fluid Density N/A

Max. Recorded Temperature 278° F

Max. Wellhead Pressure ZERO

Wellhead Connection OPEN ENDED

Estimated Cement Top SURFACE

Unit Number P-57

Wireline Size 9/32"

Location CASPER, WYOMING

Recorded By MORRIS GUMMER

Witnessed By TOM DOLENCE

Size

Wt/Ft

Top

Bottom

9-5/8"

36#

SURFACE

1165'

5-1/2"

15.5#

SURFACE

5440'

Liner Record

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

LOG CORRELATED TO WEATHERFORD COMPACT QUAD COMBO DATED: 13-NOVEMBER-2021

THANK YOU FOR USING PIONEER ENERGY SERVICES!

Your Pioneer Energy Services Crew

Engineer: M. GUMMER

Operator: C. HOLST

Operator:

Operator:

Tool Data - Services

SEE DIAGRAM

Serial Number

Log Variables

DatabaseC:\ProgramData\Warrior\Data\snake_river_1-11_1107520037_20211206.db
Dataset wildcat/fallon_1-11/scbl/pass20.1/_vars_

Top - Bottom


BHTEMP_Src TEMP	BOREID in 7.875	BOTTEMP degF 100	CASEOD in 5.5	CASETHCK in 0.275	CASEWGHT lb/ft 15.5	MAXAMPL mV 71.9	MINAMPL mV 1
MINATTN db/ft 0.08	PERFS No	PPT usec 264	SRFTEMP degF 0	TDEPTH ft 0			


Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude

MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Cable Head-Titan_144 1 7/16" Titan Cable Head	1.03	1.44	2.00
			Centralizer-275 TekCo 2 3/4" TekCo Centralizer	2.16	2.75	20.00
TEMP	14.17					
WVFS8	11.87		PROBE-RBT-DIGITAL-RBL-DCT (FW1210-40) Probe 2 3/4" Radii Bond with Temp-Corrosion Package	9.21	2.75	105.00
WVFS7	11.87					
WVFS6	11.87					
WVFS5	11.87					
WVFS4	11.87					
WVFS3	11.87					
WVFS2	11.87					
WVFS1	11.87					
WVFCAL	11.87					
WVF3FT	11.87					
WVF5FT	10.87					
			Centralizer-275 Titan ADJ Titan 2 3/4" Adjustable Centralizer	2.16	2.75	28.00

CCL	4.69		CCL_Logging-275 Probe (Probe-275) Probe 2 3/4" Logging CCL	1.83	2.75	25.00
GR	1.15		GR-275 Probe (Probe-275) Probe 2.75" Gamma Ray	3.36	2.75	40.00
			Bullnose-PROBE Probe Go Pin Pressure Cap	0.33	1.38	1.00
Dataset: snake_river_1-11_1107520037_20211206.db: wildcat/fallon_1-11/scbl/pass20.1 Total length: 20.09 ft Total weight: 221.00 lb O.D.: 2.75 in						



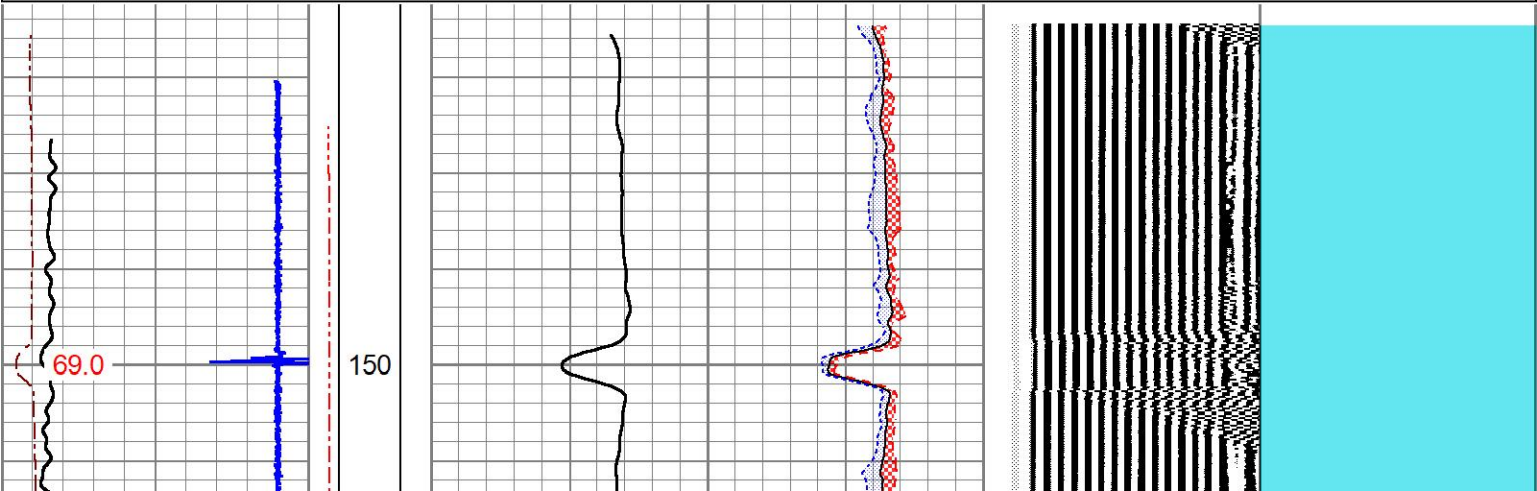
PIONEER
Pioneer Energy Services

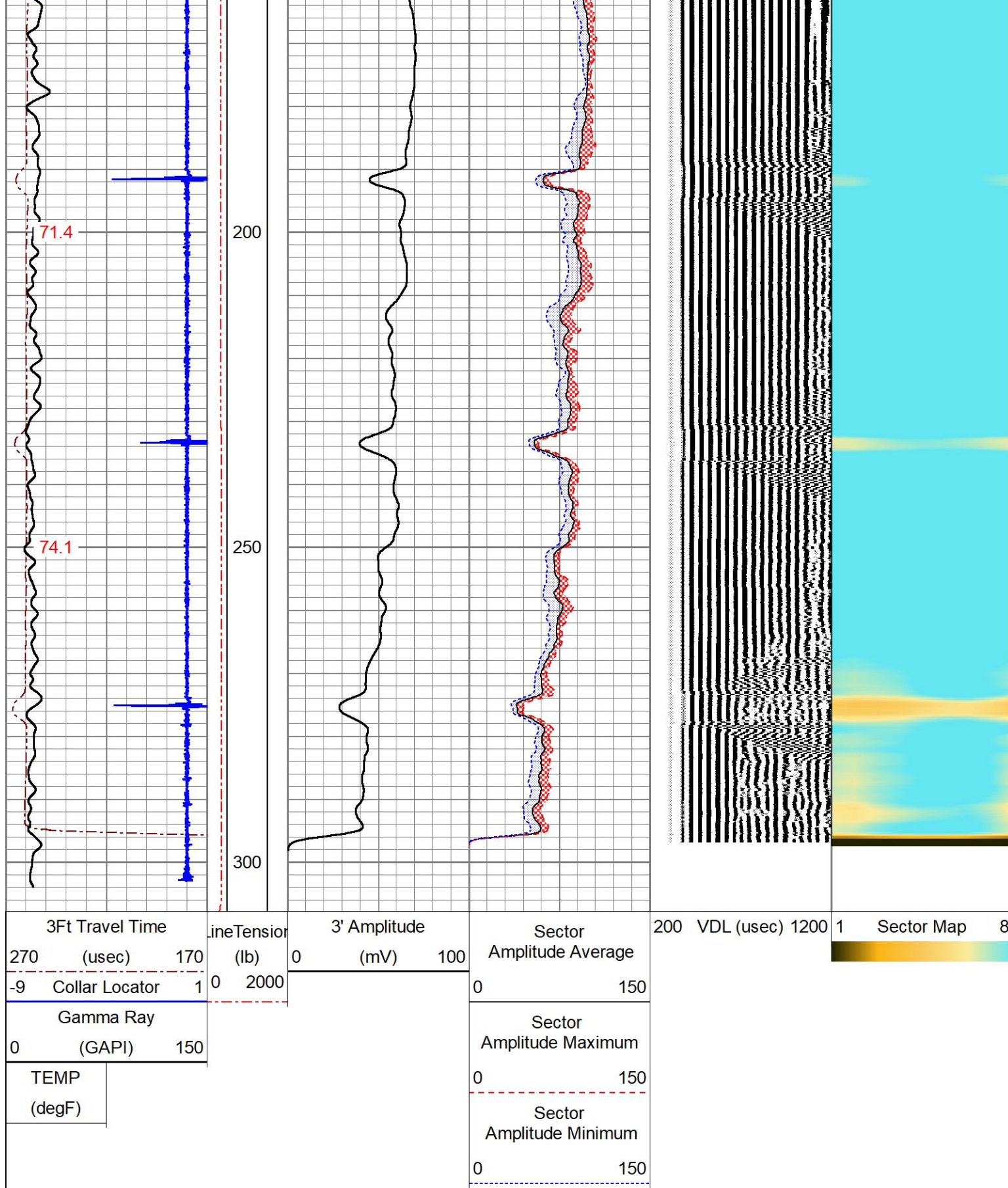
FREE PIPE SECTION

0 PSI APPLIED AT SURFACE

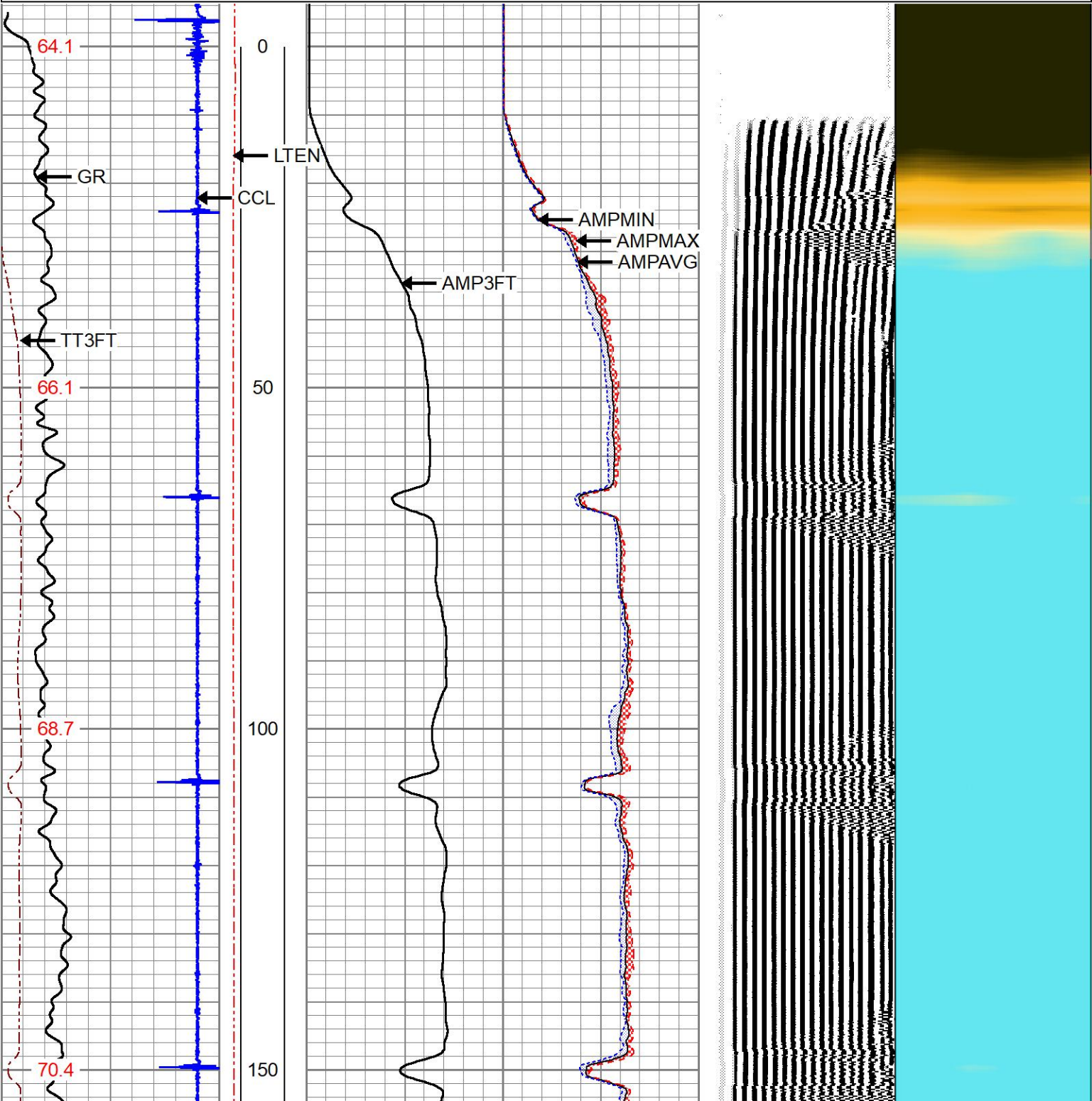
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 Dataset Pathname: wildcat/fallon_1-11/scbl/pass17
 Presentation Format: pinr_scbl
 Dataset Creation: Wed Dec 08 11:00:29 2021
 Charted by: Depth in Feet scaled 1:240

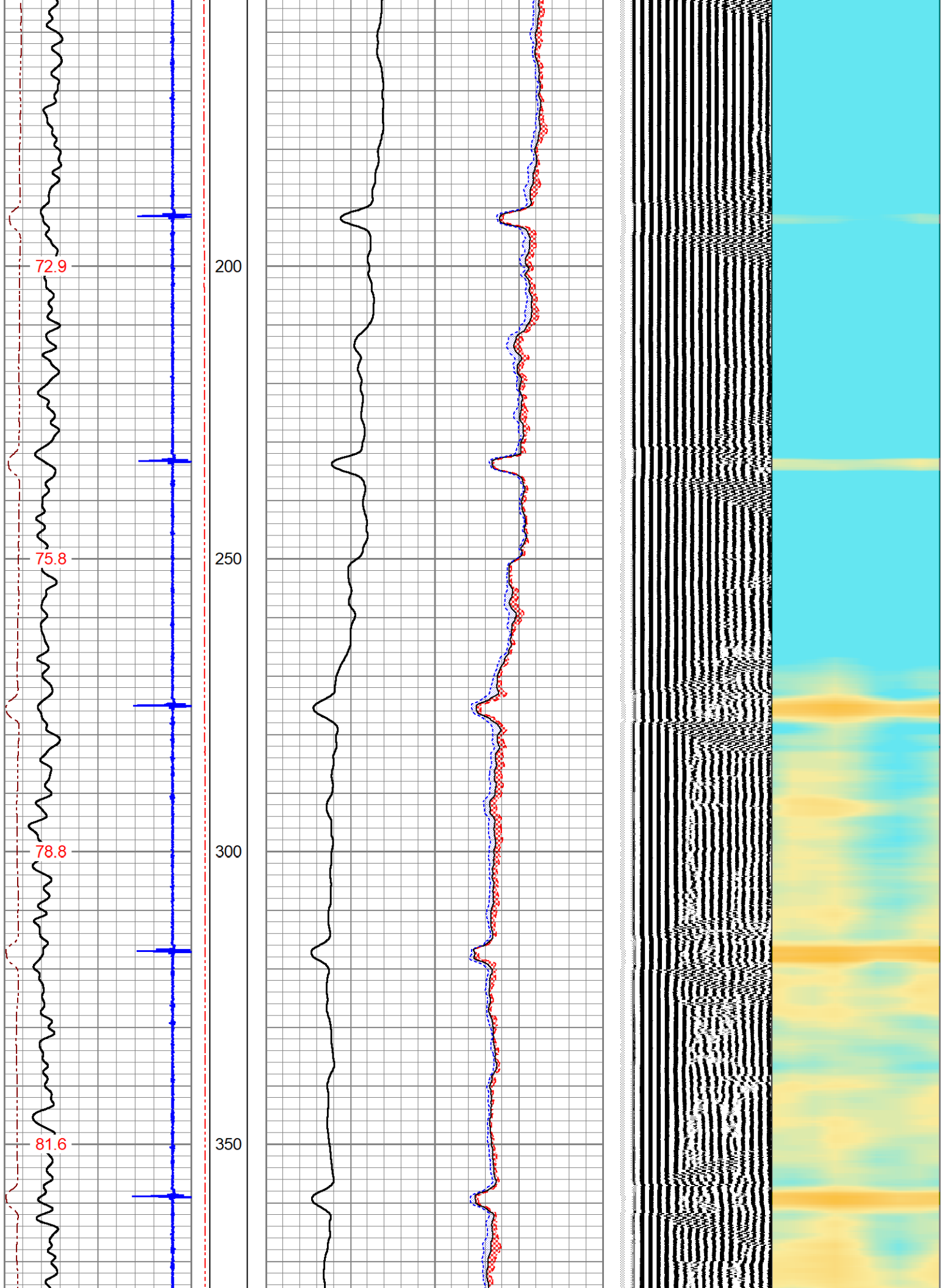
3Ft Travel Time	lineTension	3' Amplitude	Sector Amplitude Average	200 VDL (usec) 1200	1 Sector Map 8
270 (usec) 170	(lb) 0 2000	(mV) 0 100	0 150		
-9 Collar Locator 1					
Gamma Ray			Sector Amplitude Maximum		
0 (GAPI) 150			0 150		
TEMP			Sector Amplitude Minimum		
(degF)			0 150		

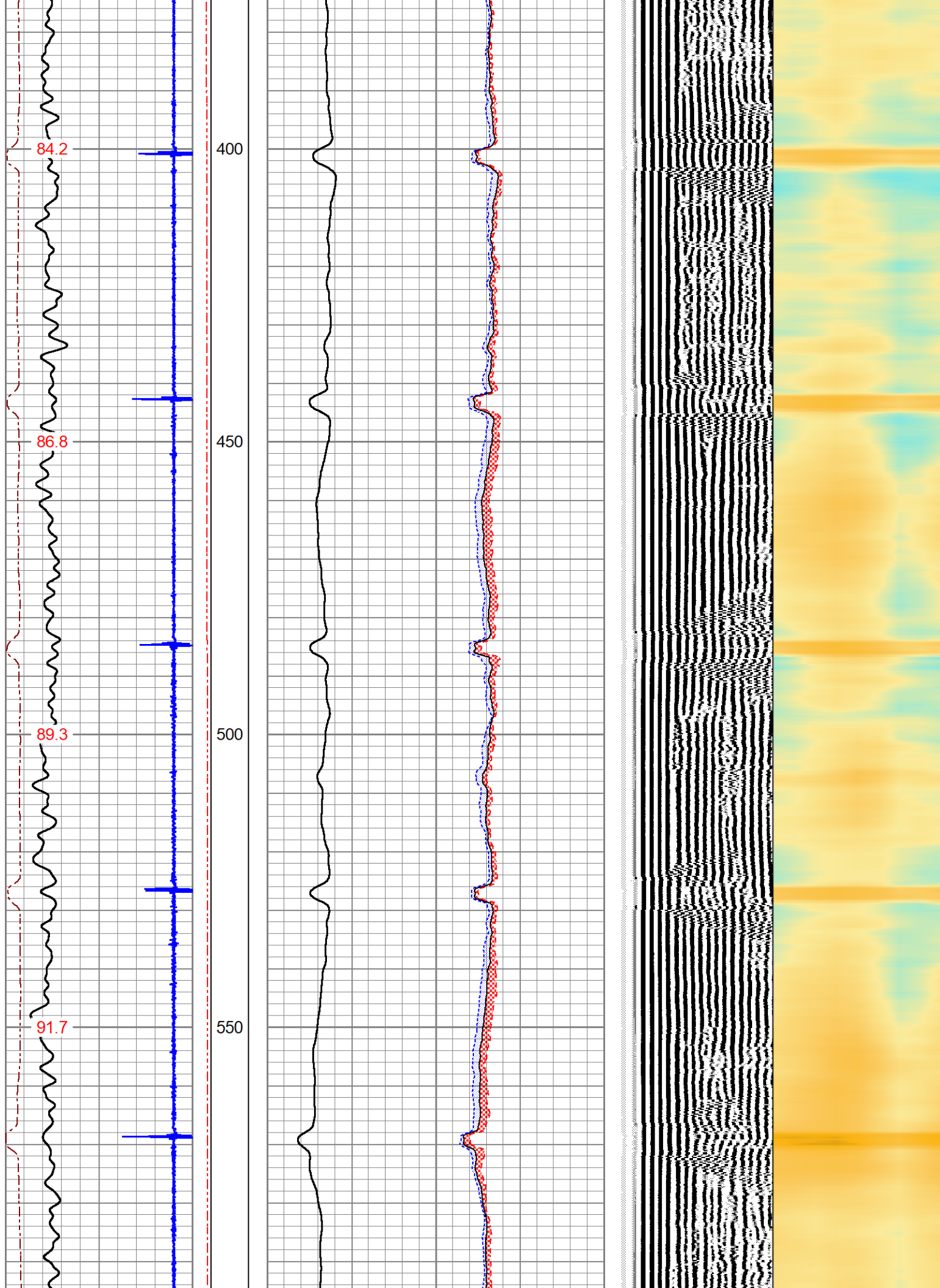


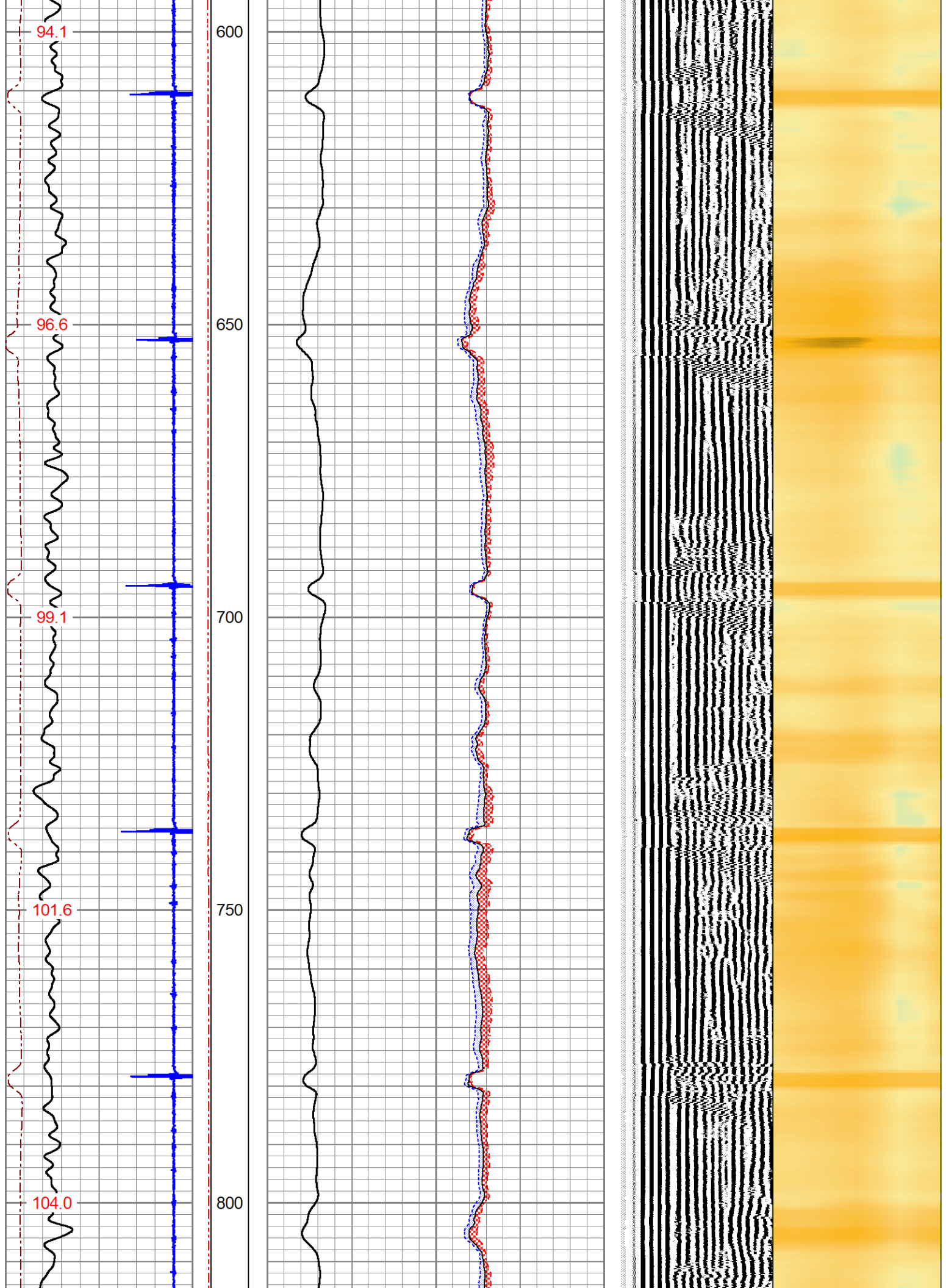


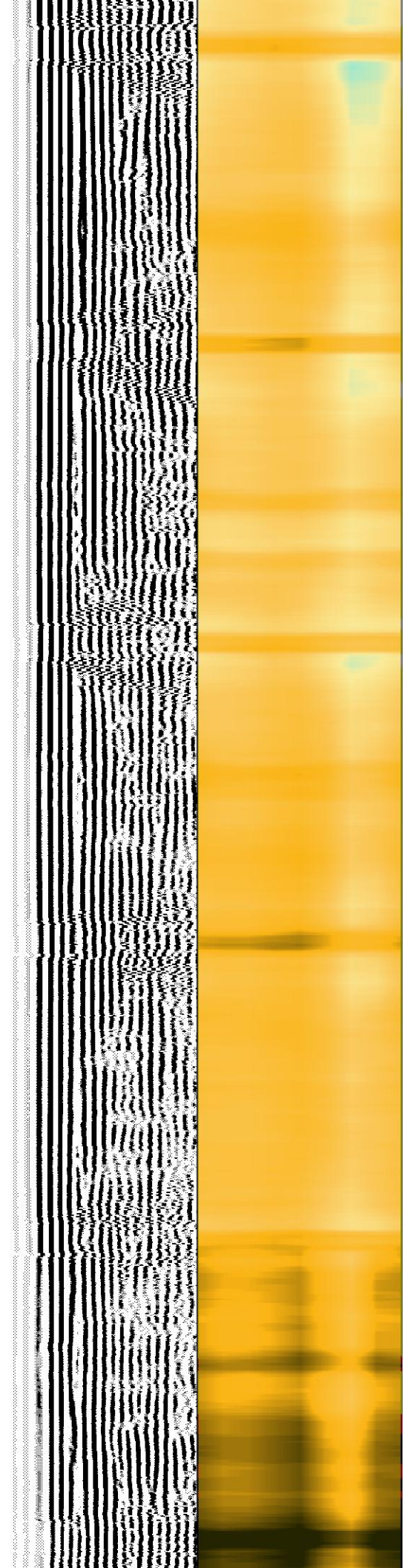
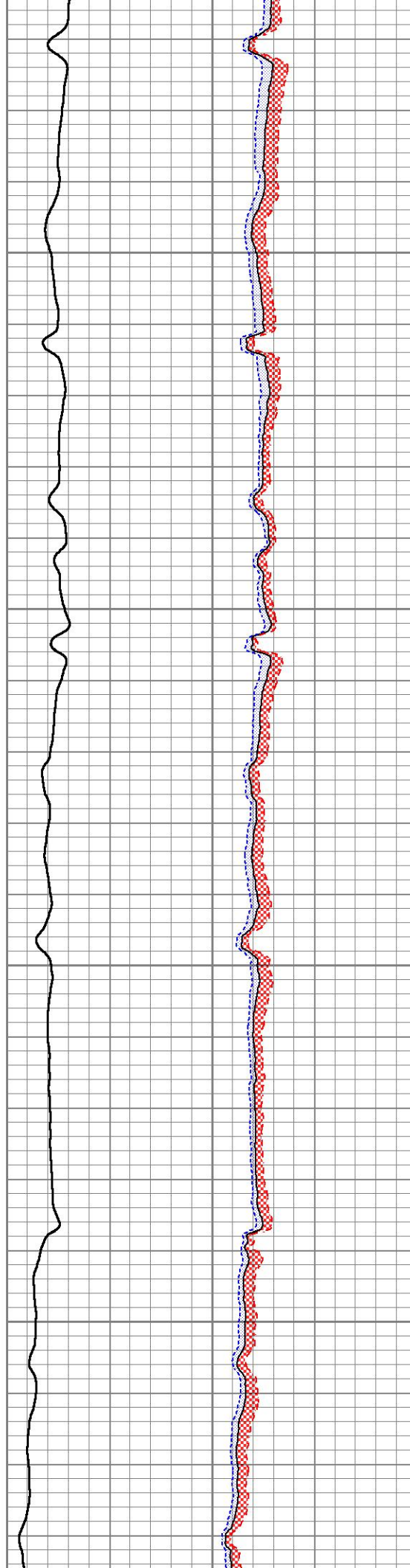
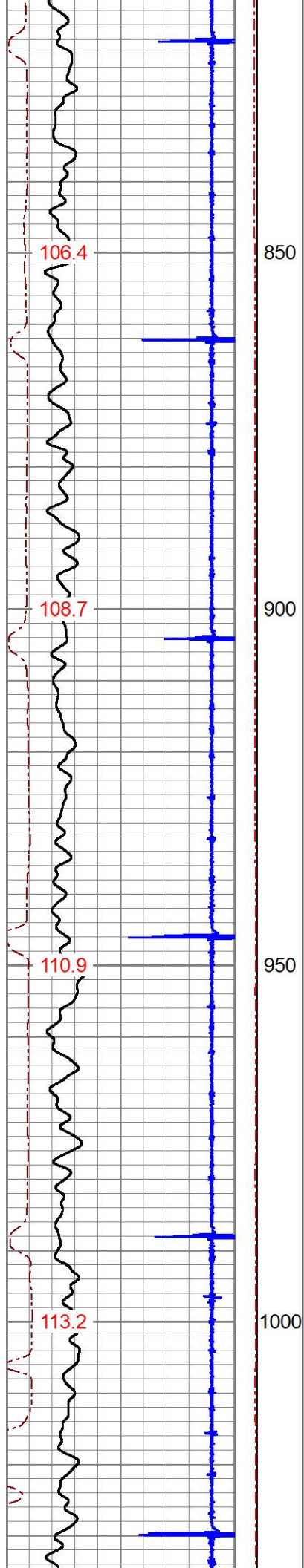
3Ft Travel Time		LineTensor	3' Amplitude		Sector		200 VDL (usec) 1200		1 Sector Map 8	
270	(usec)	170	(lb)	0	(mV)	100	Amplitude Average			
-9	Collar Locator	1	0	2000			0	150		
Gamma Ray							Sector			
0	(GAPI)	100					Amplitude Maximum			
TEMP							0	150		
(degF)							Sector			
							Amplitude Minimum			
							0	150		

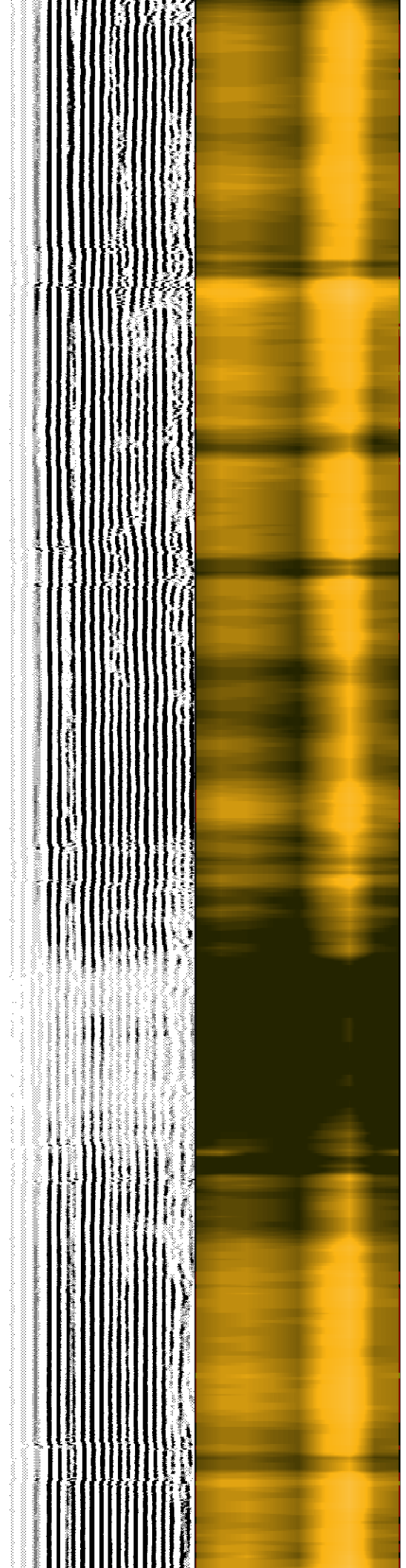
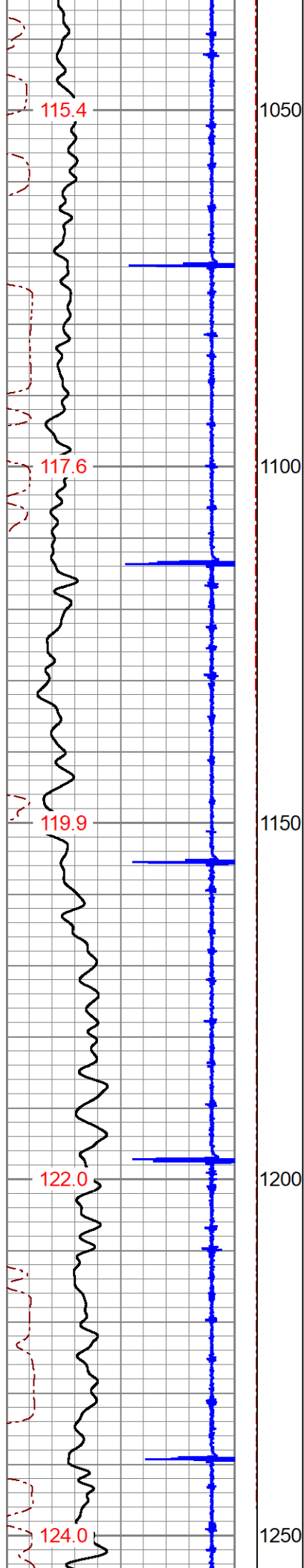


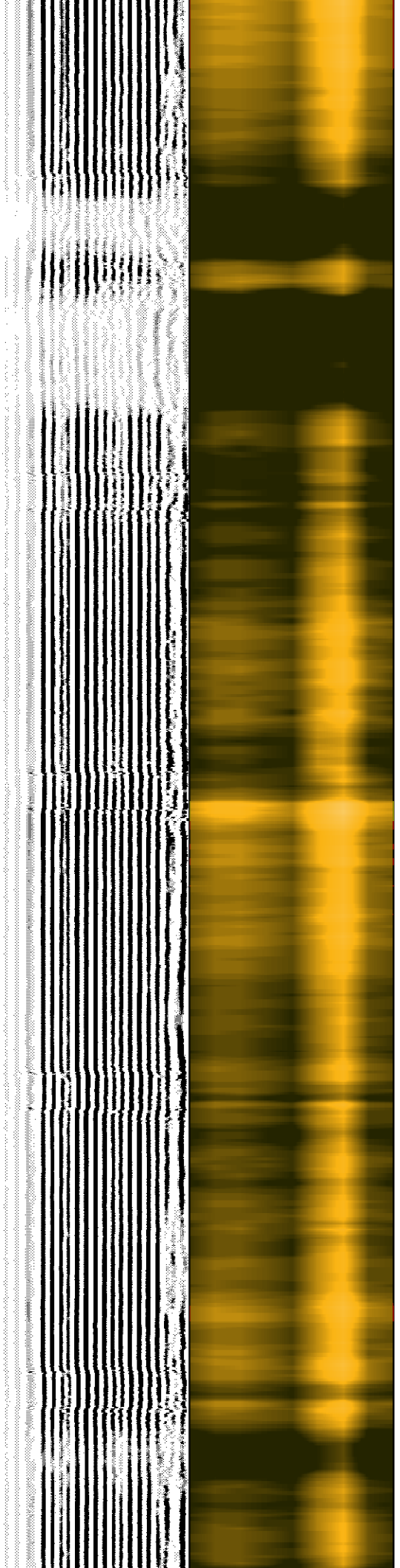
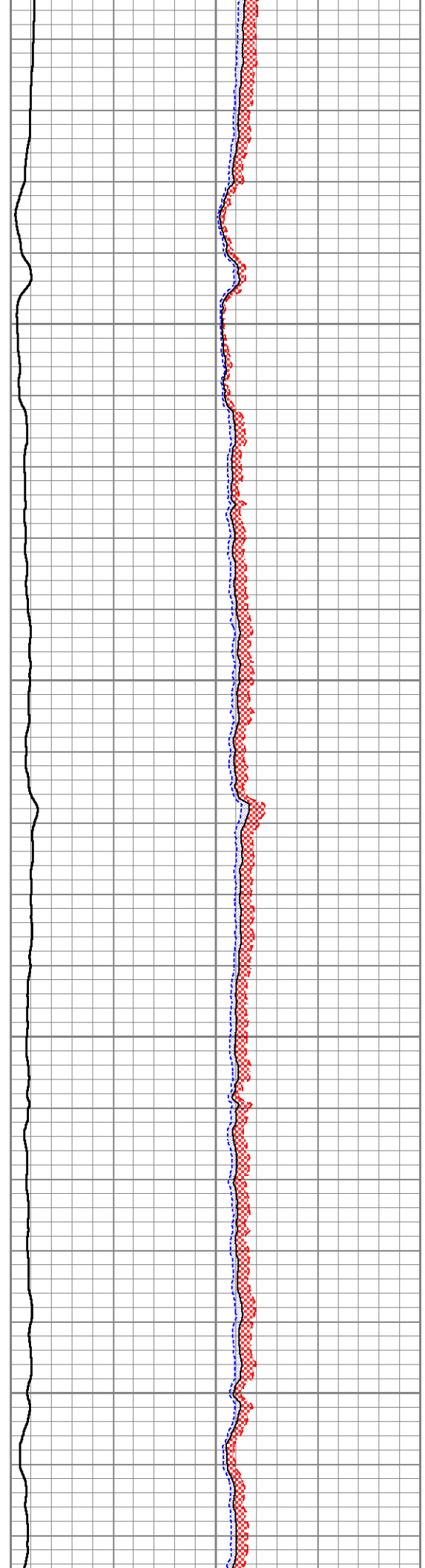
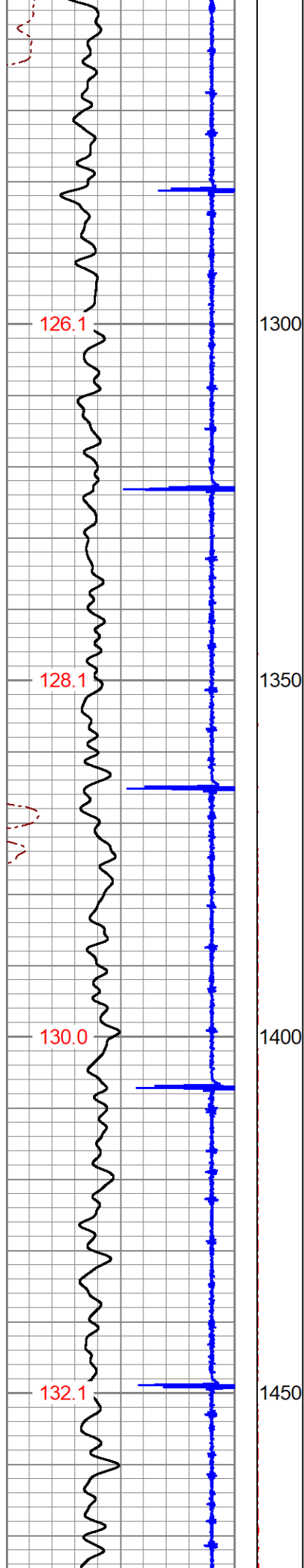


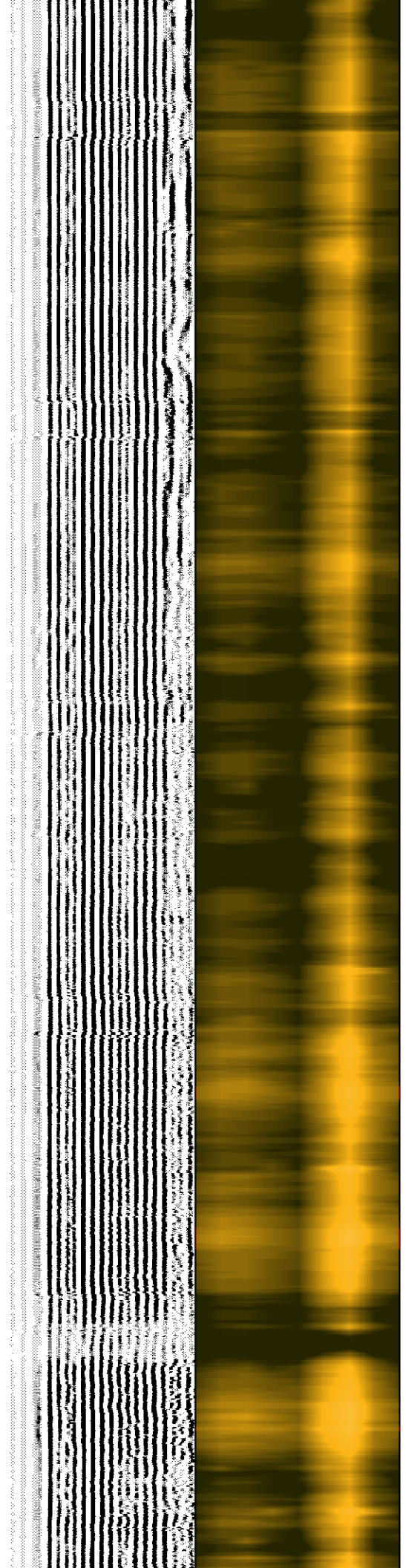
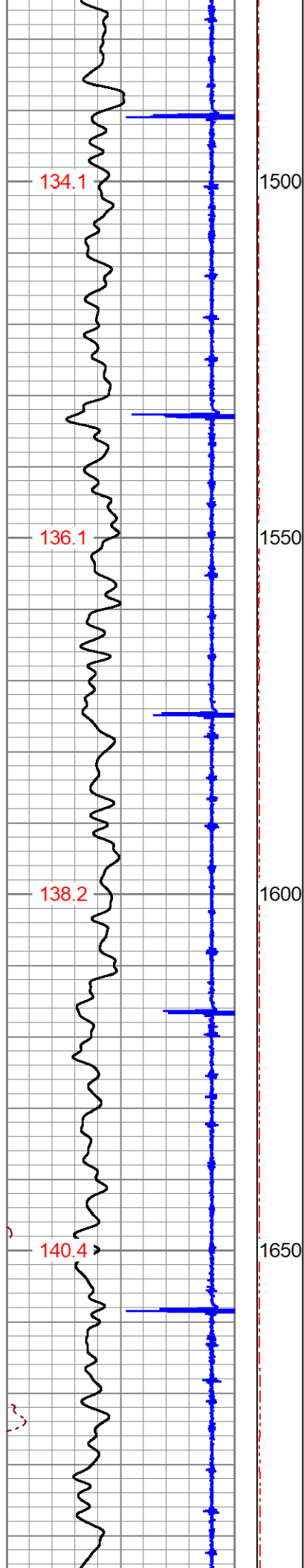


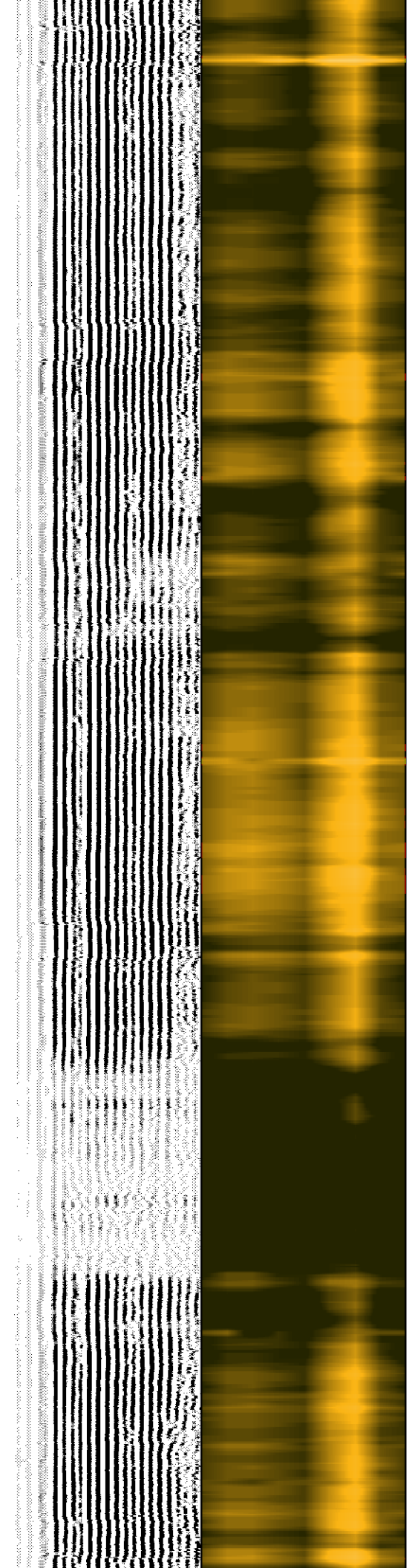
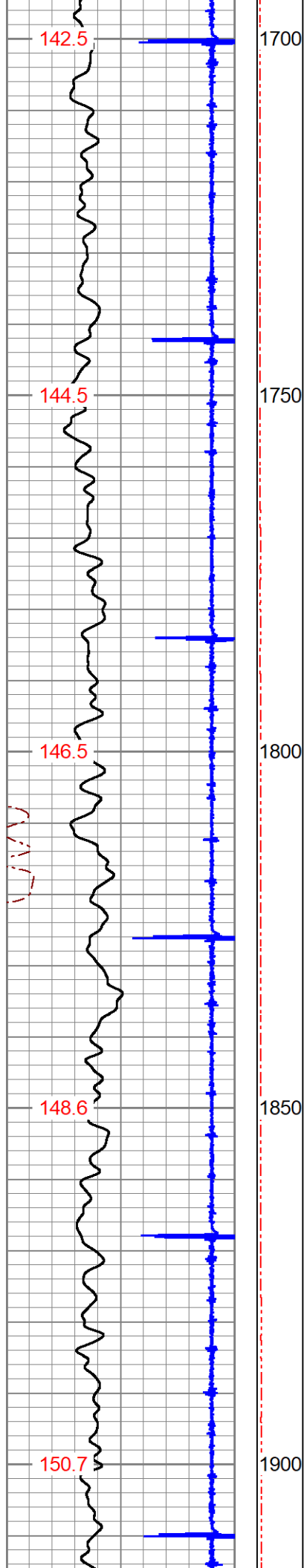


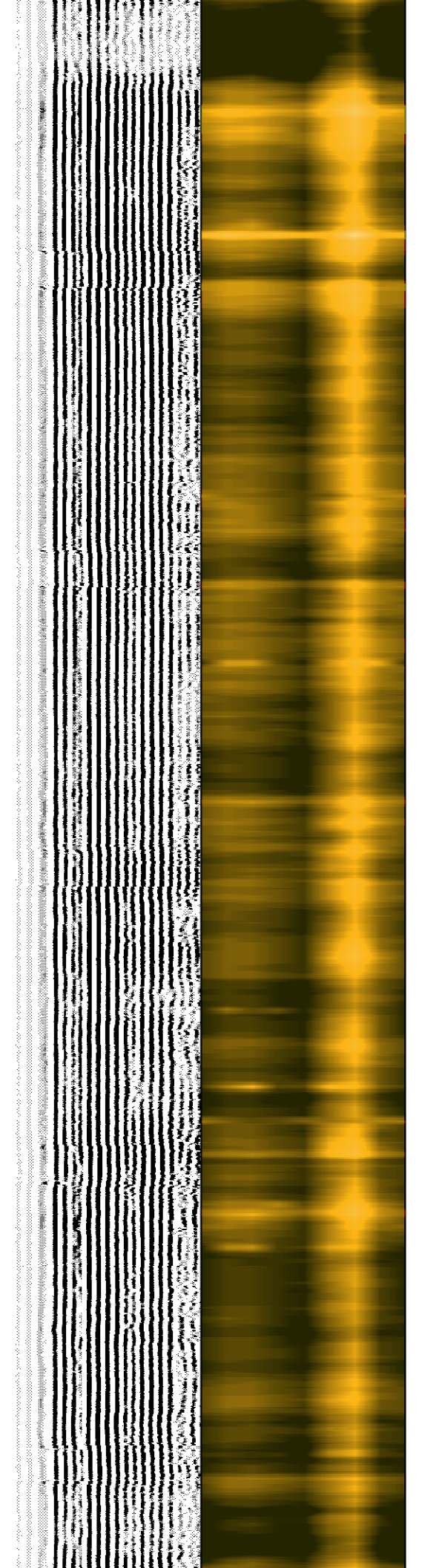
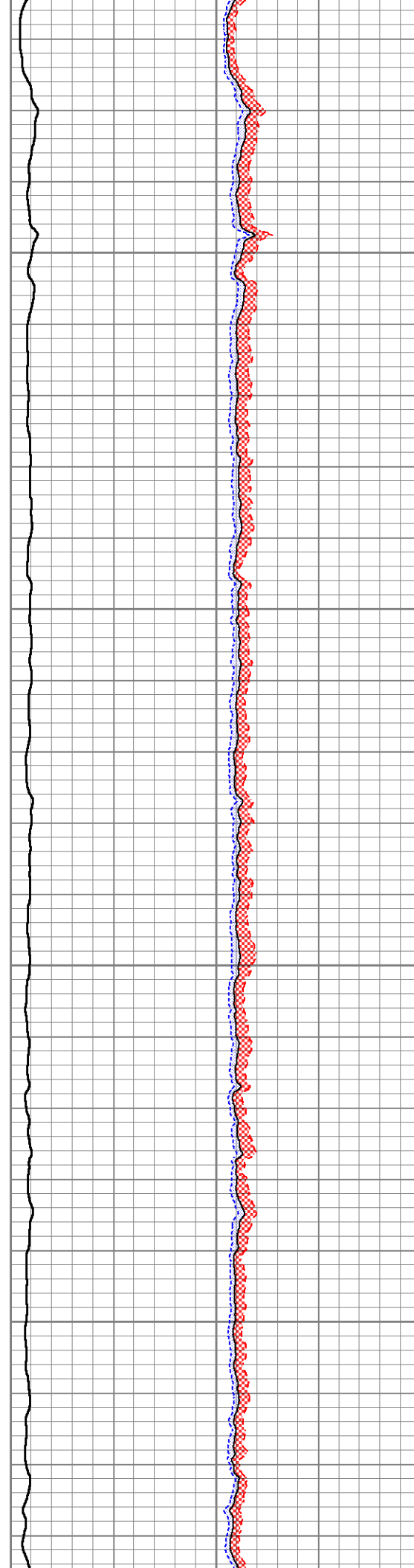
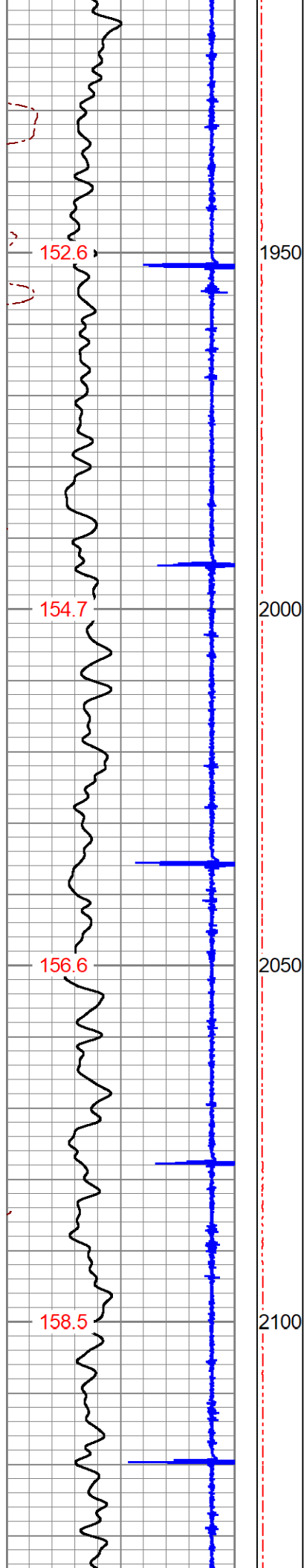


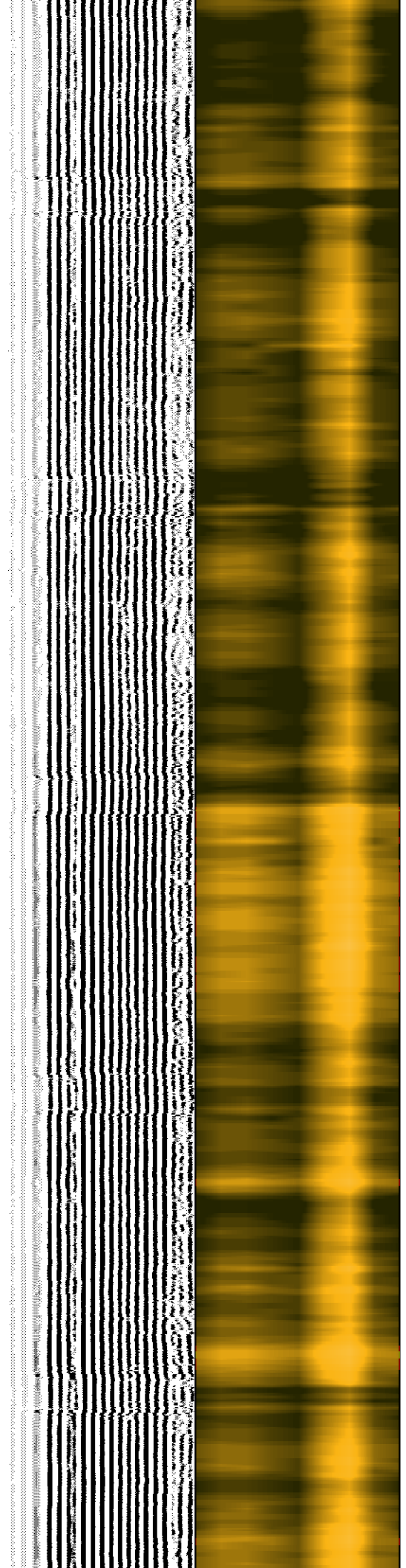
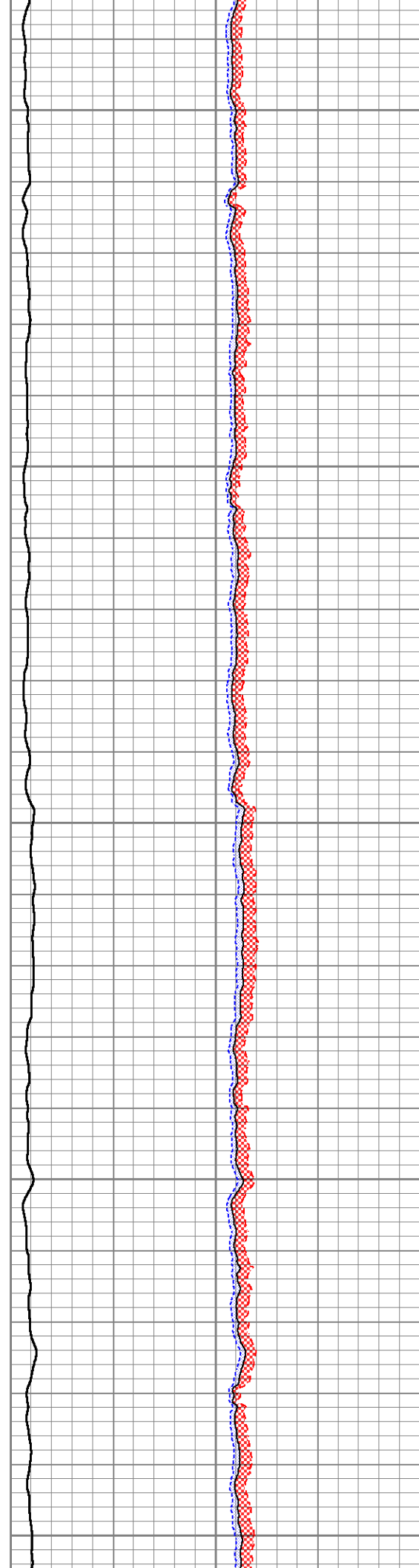
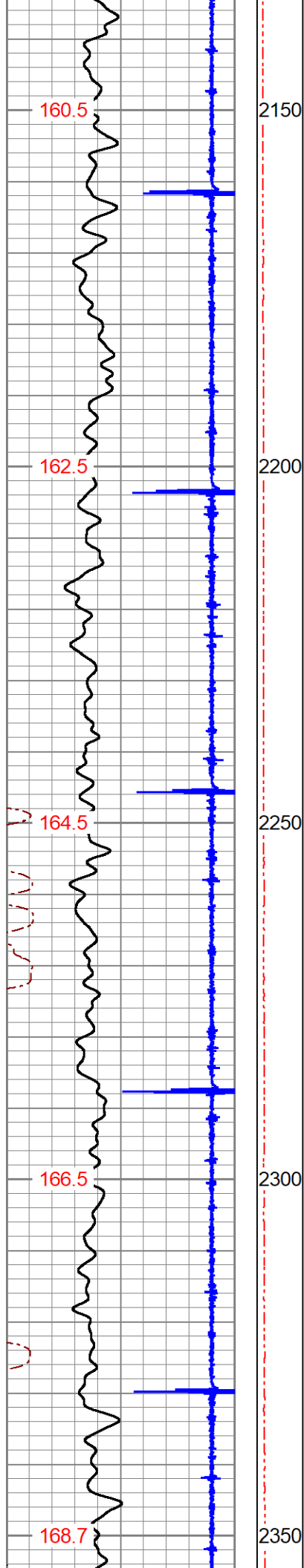


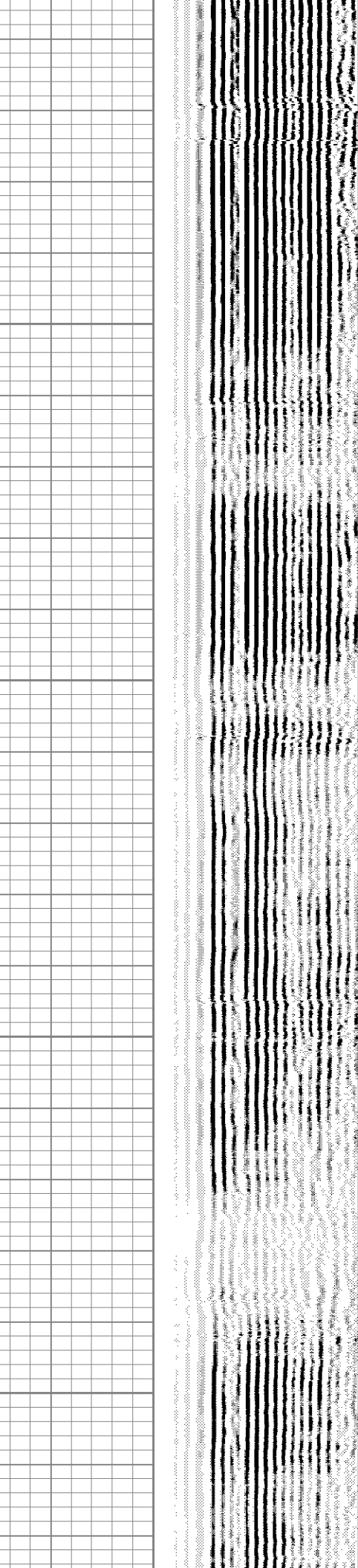
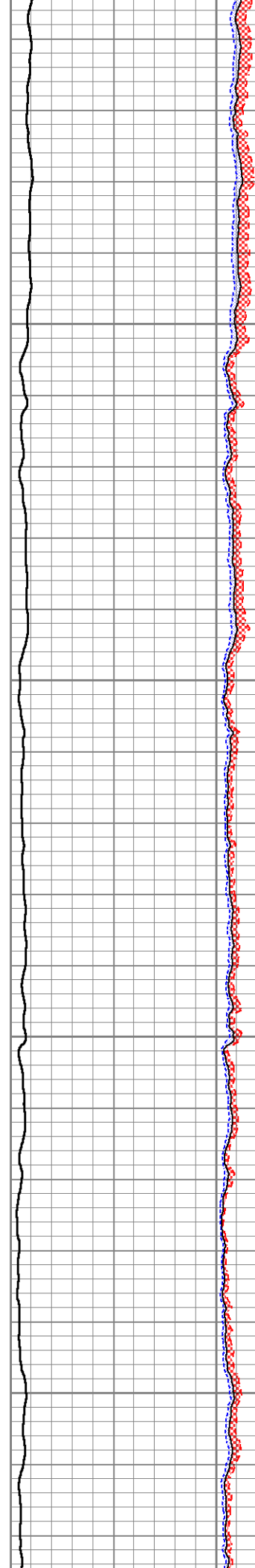
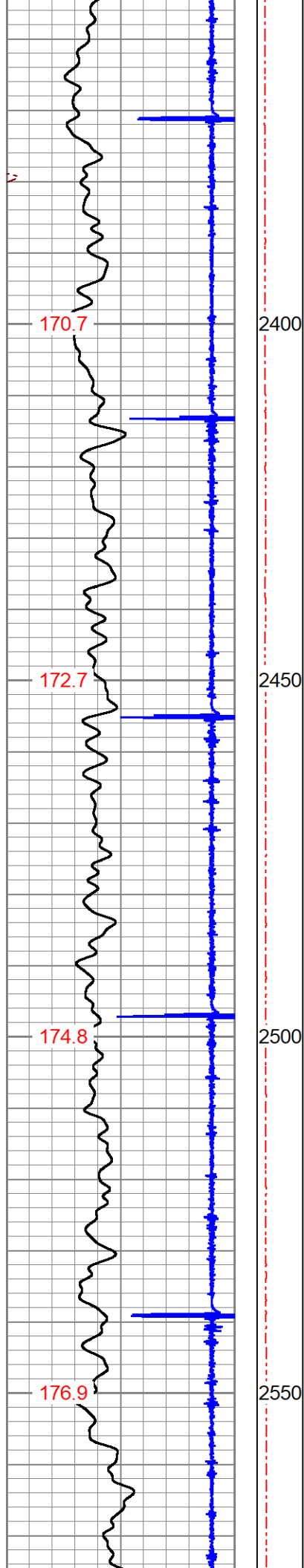


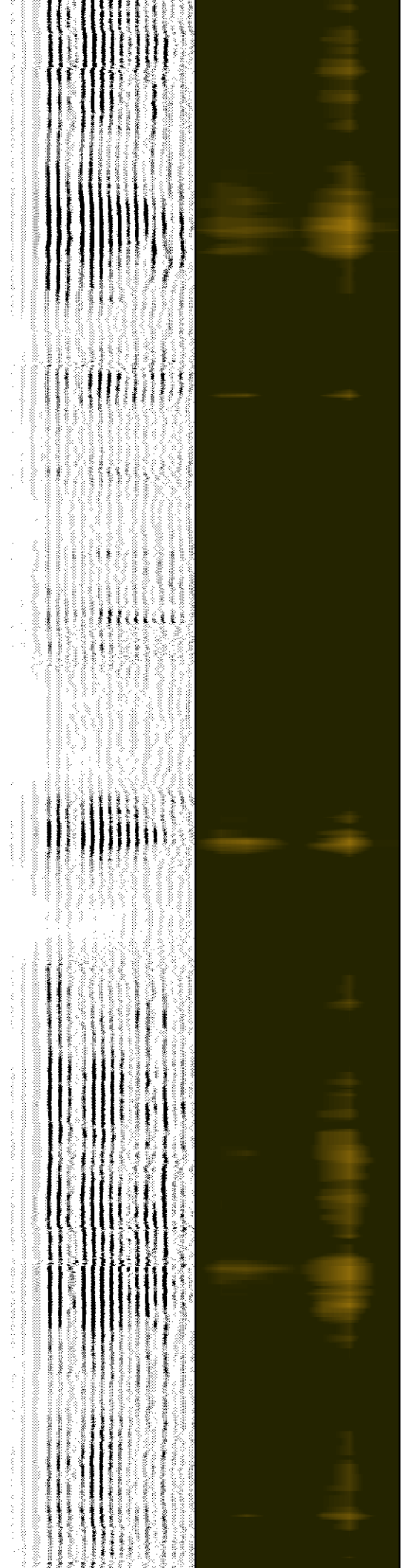
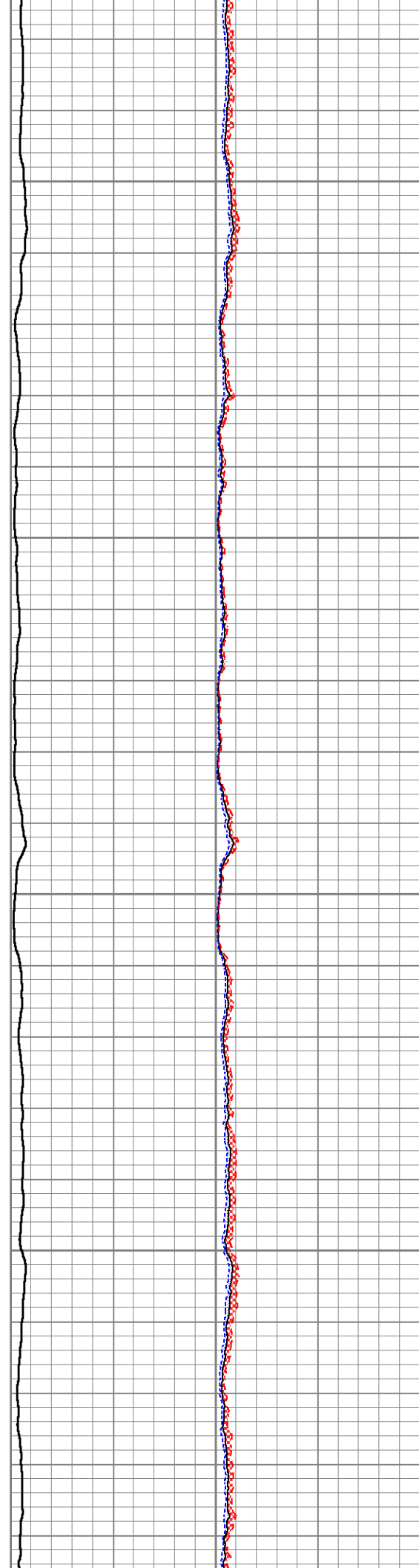
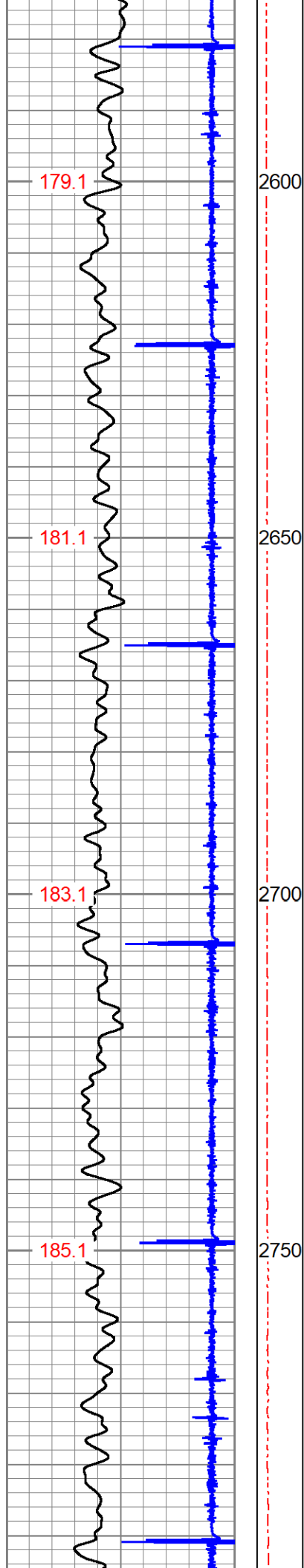


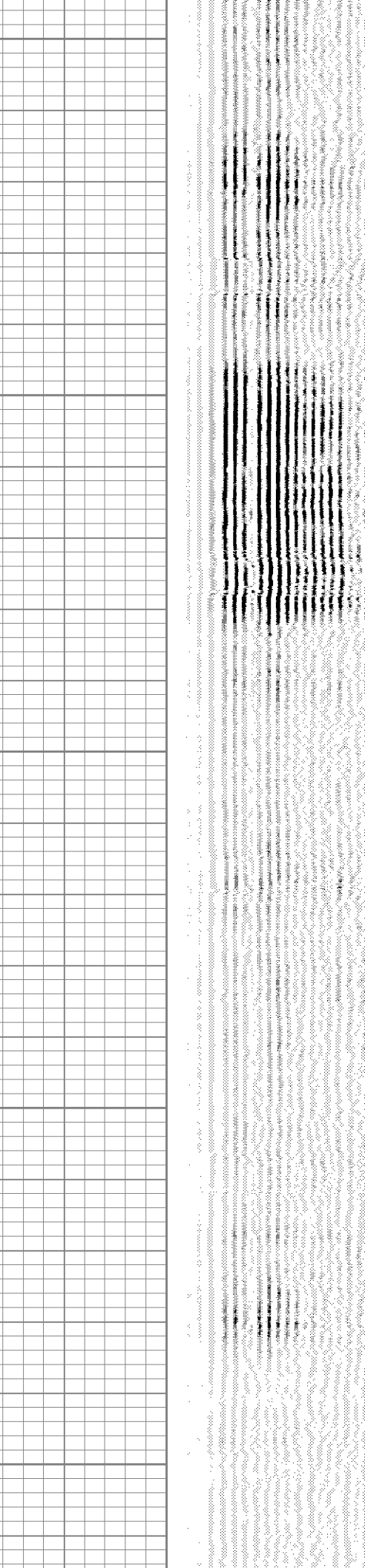
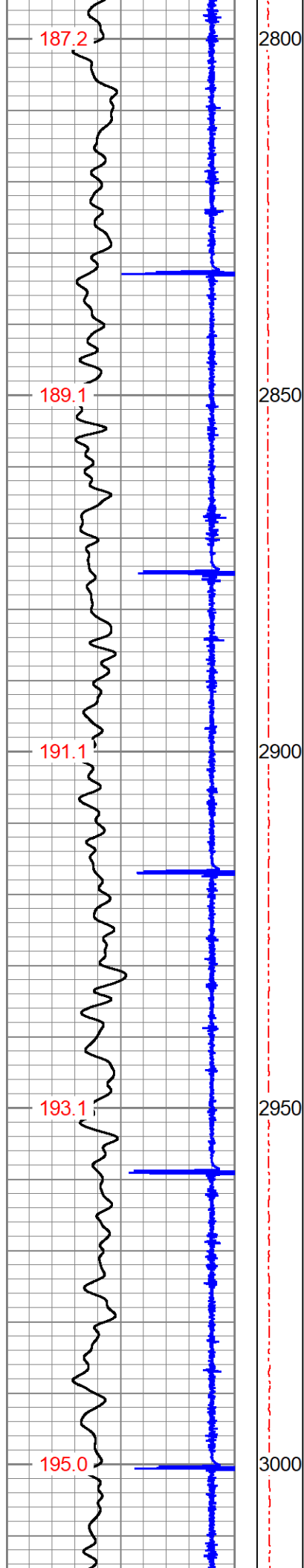


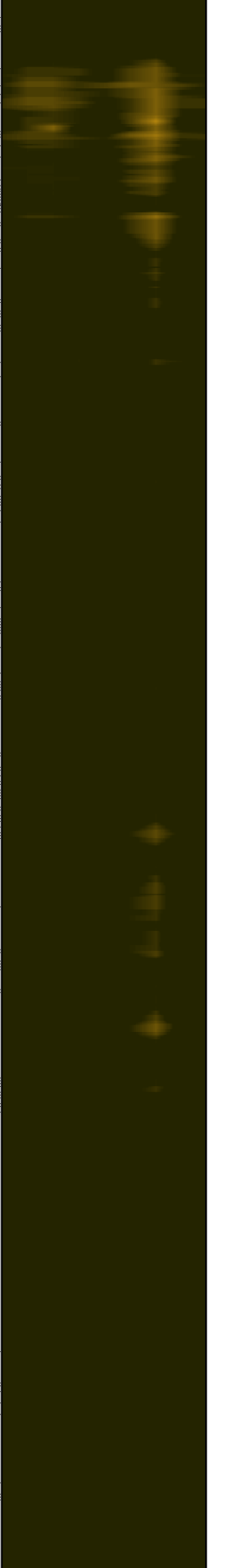
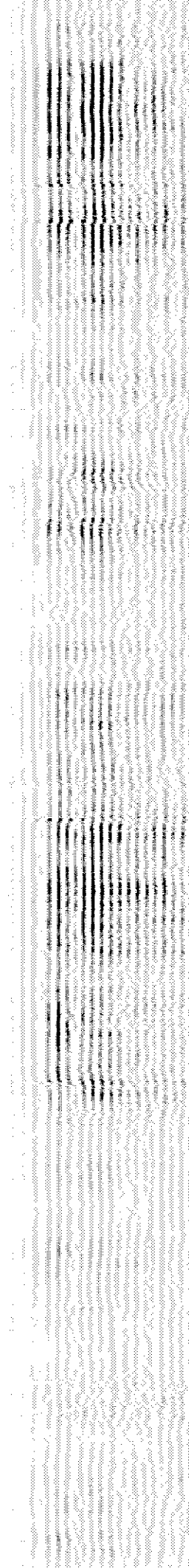
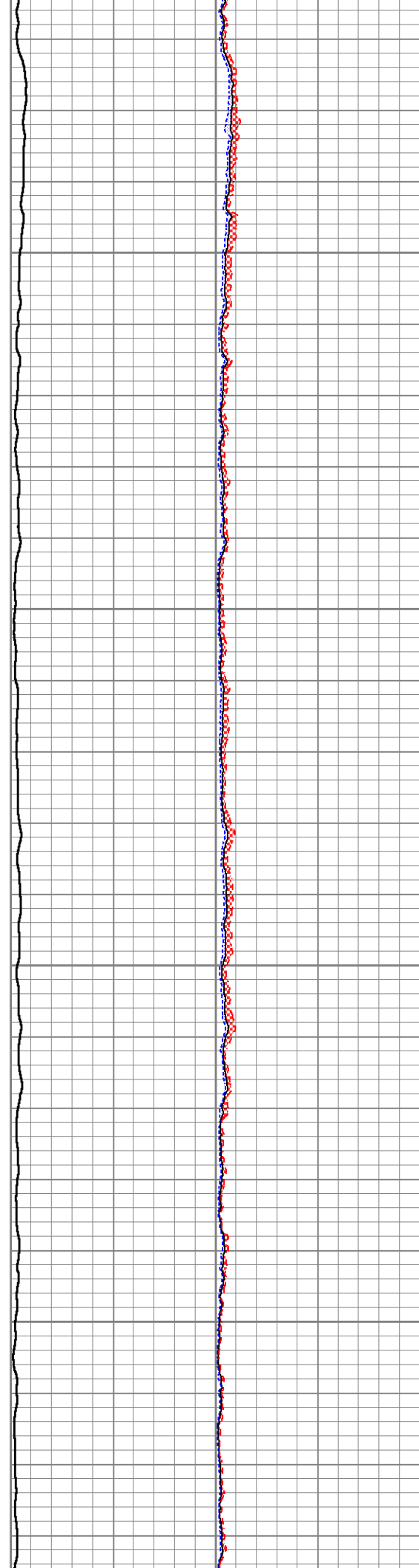
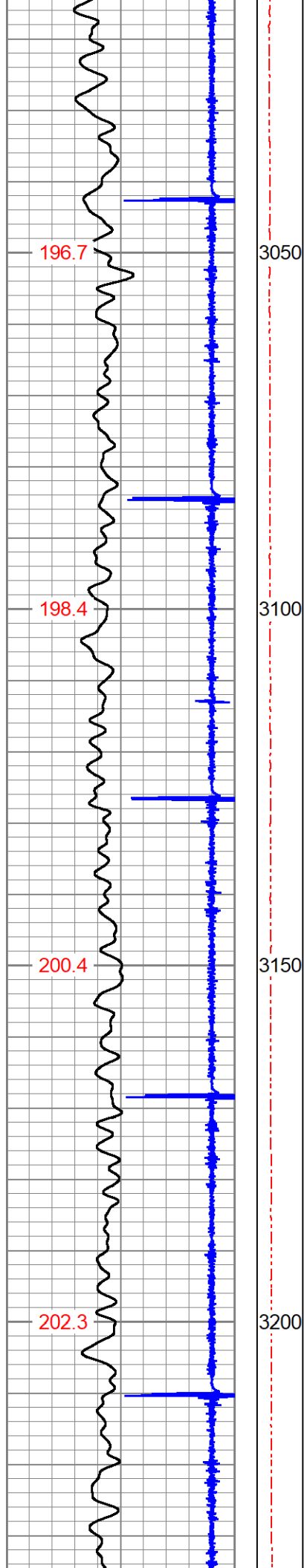


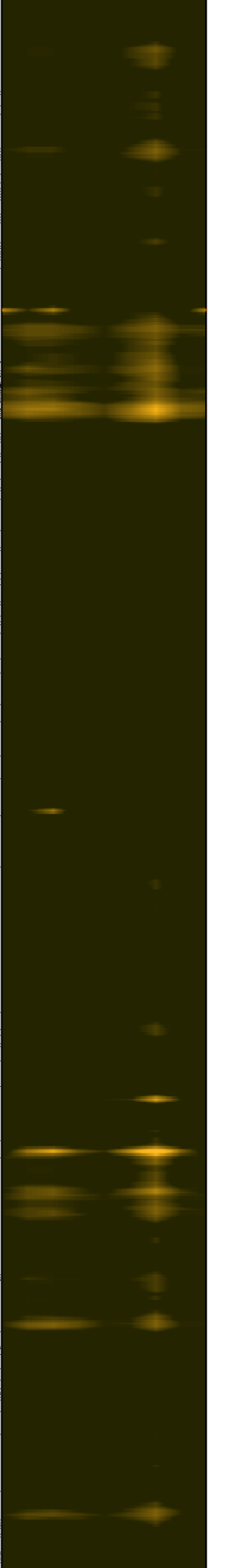
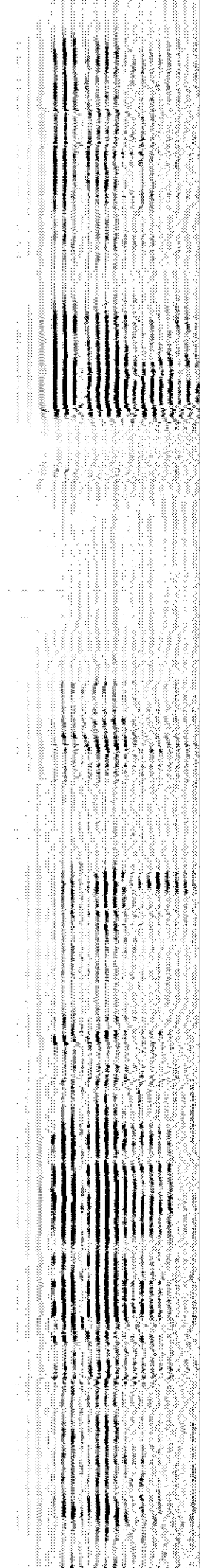
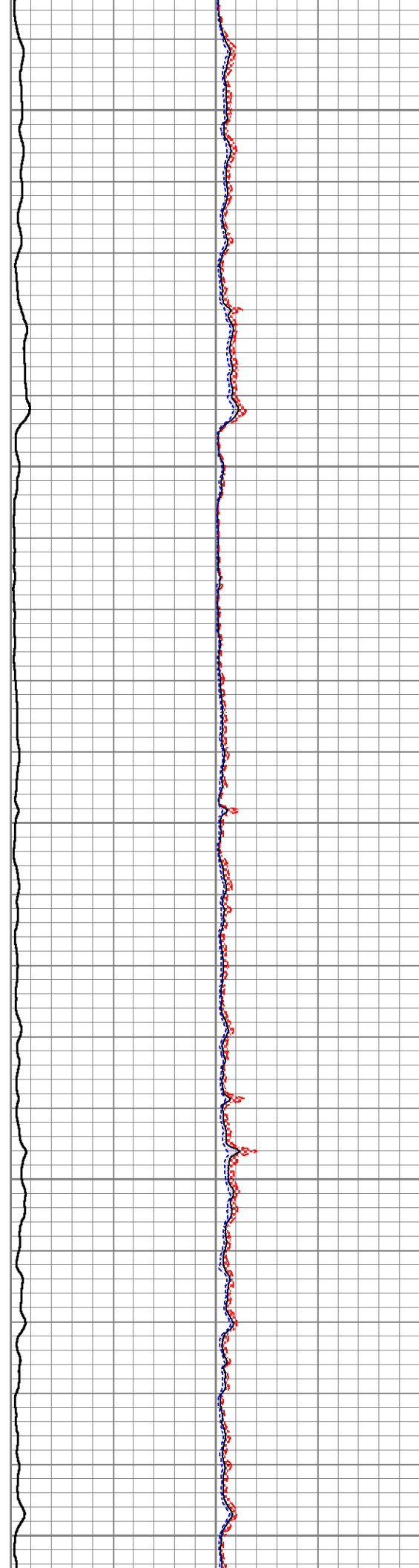
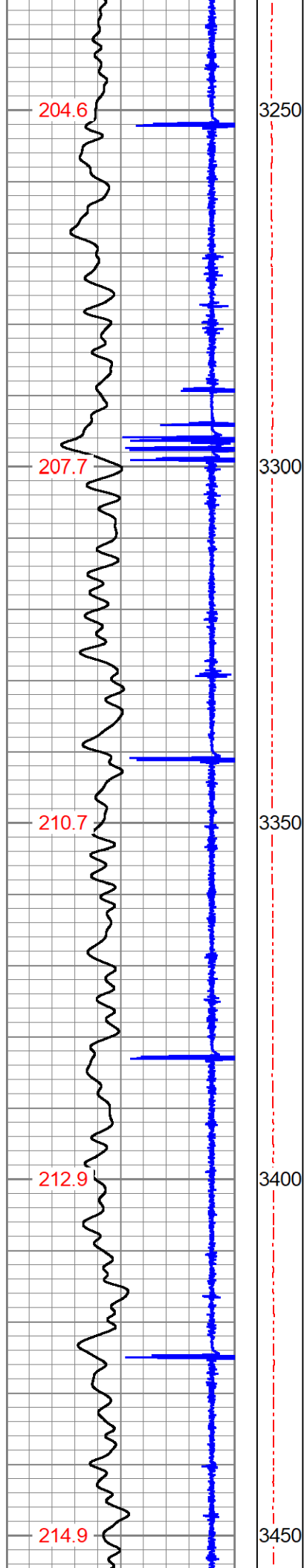


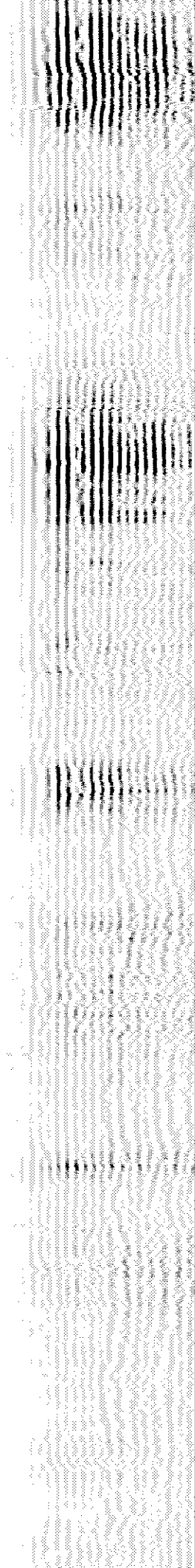
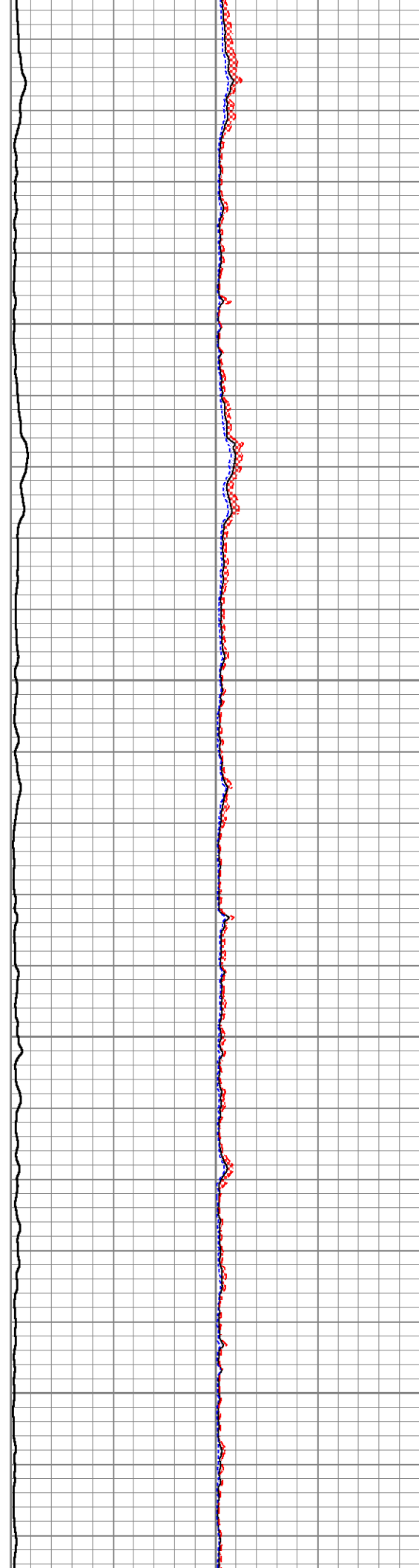
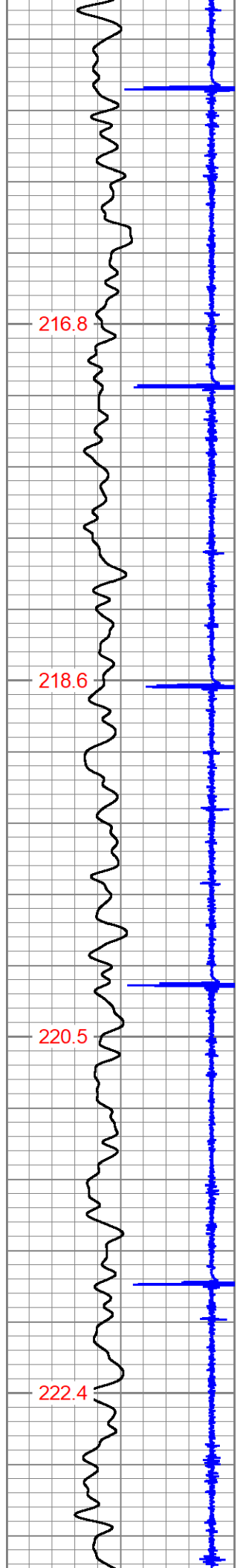


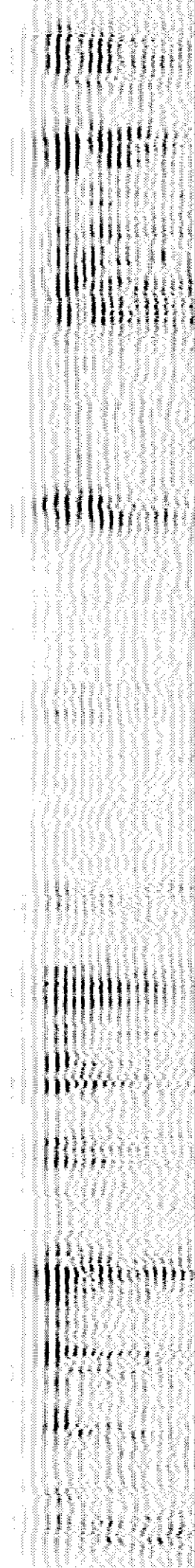
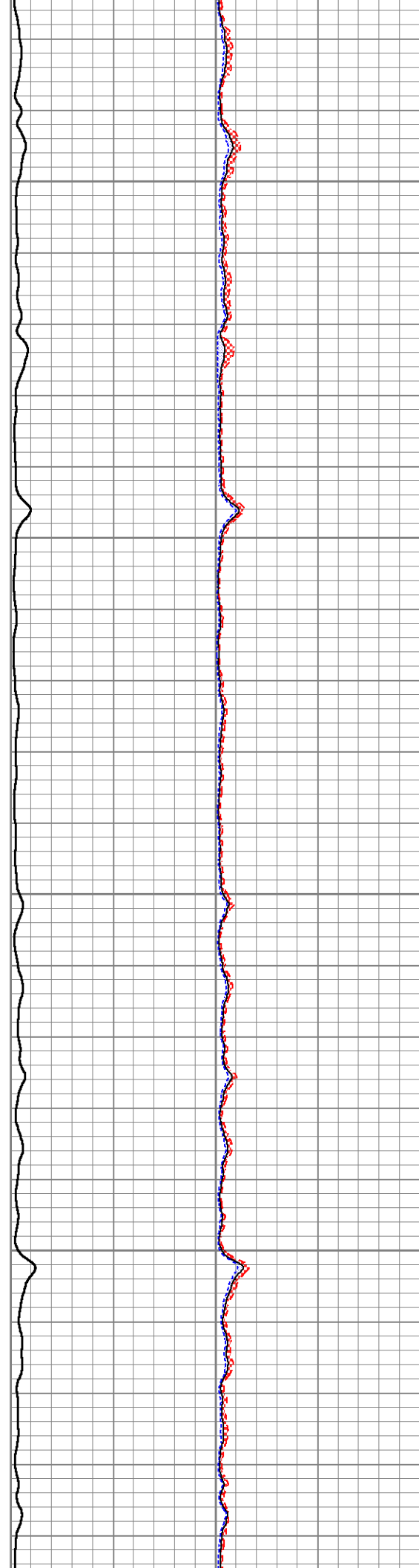
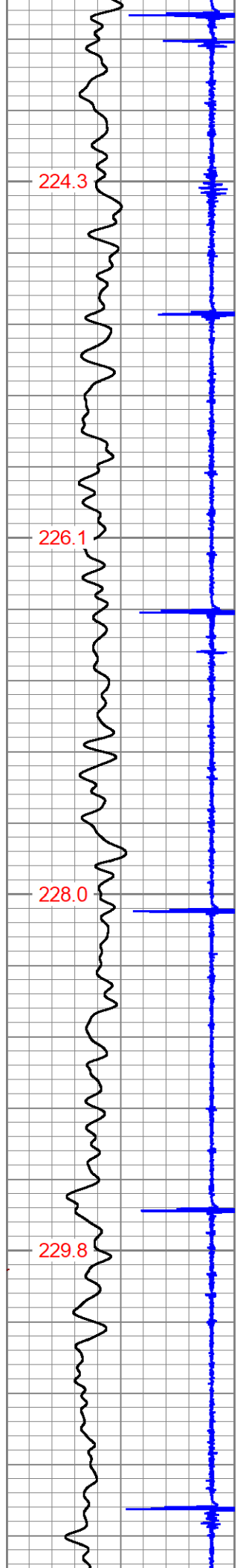


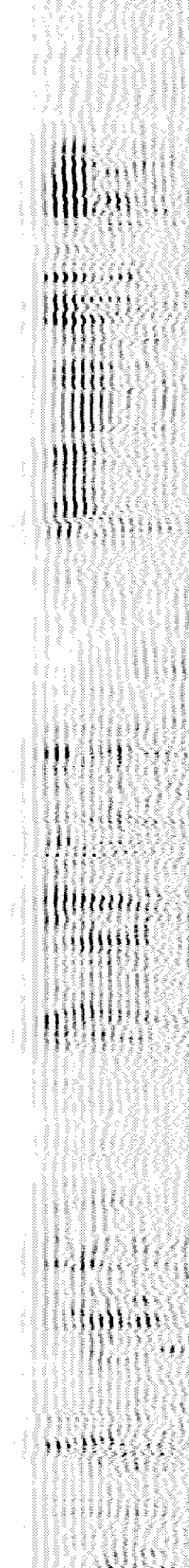
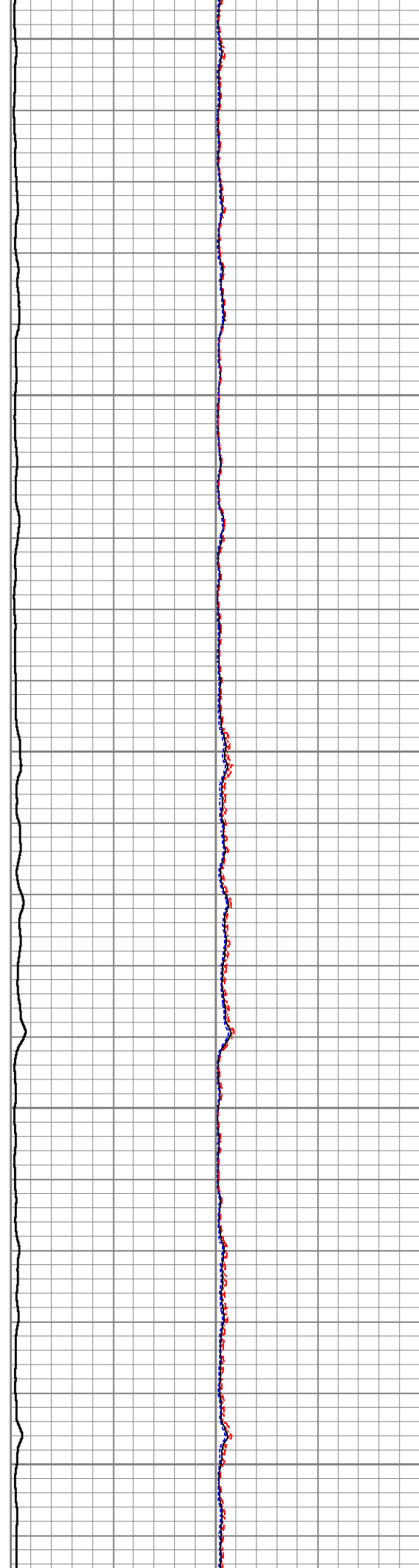
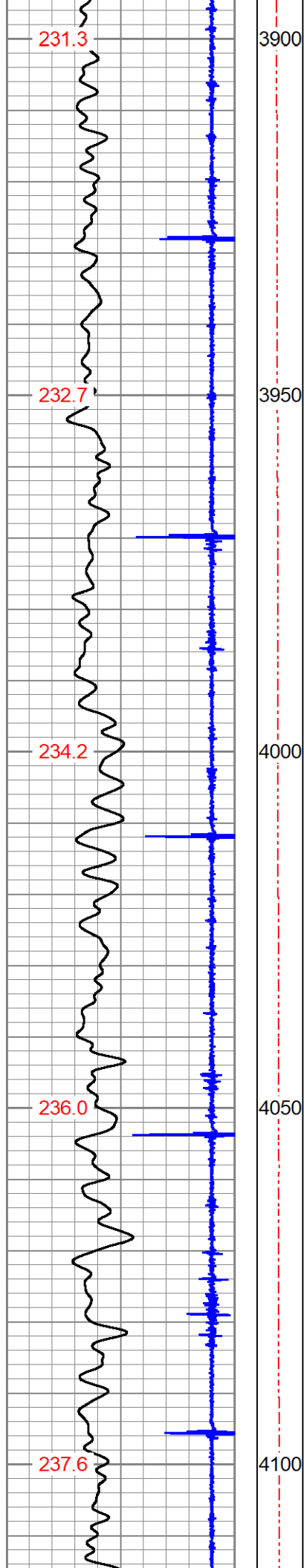


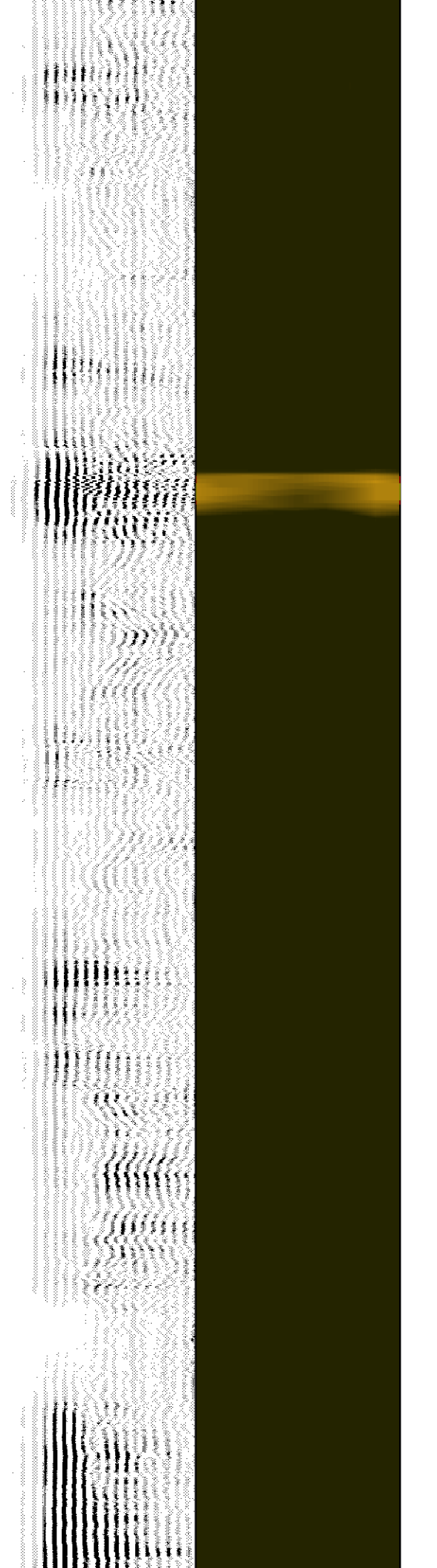
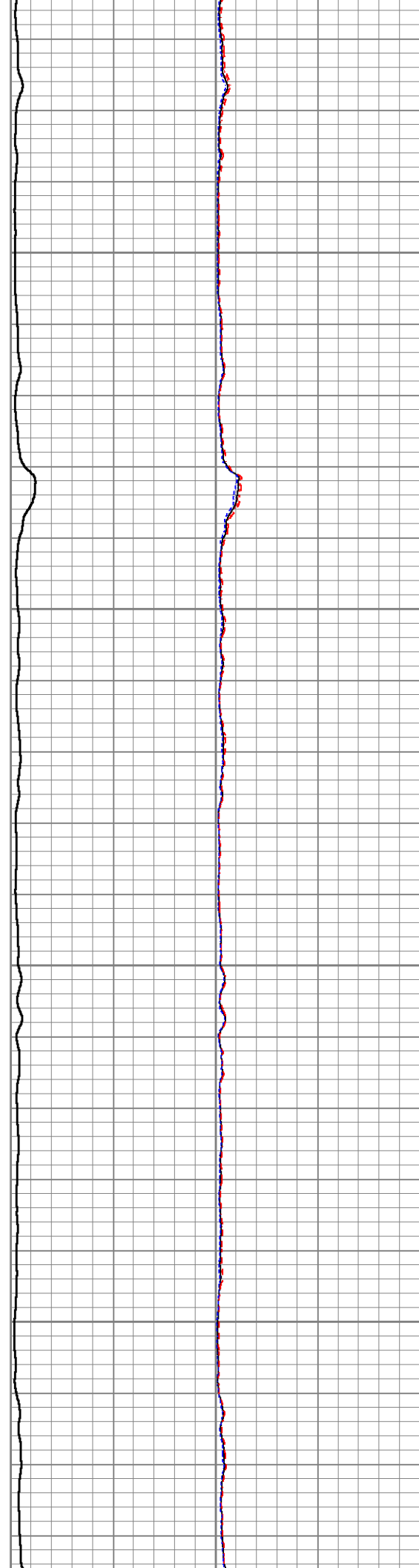
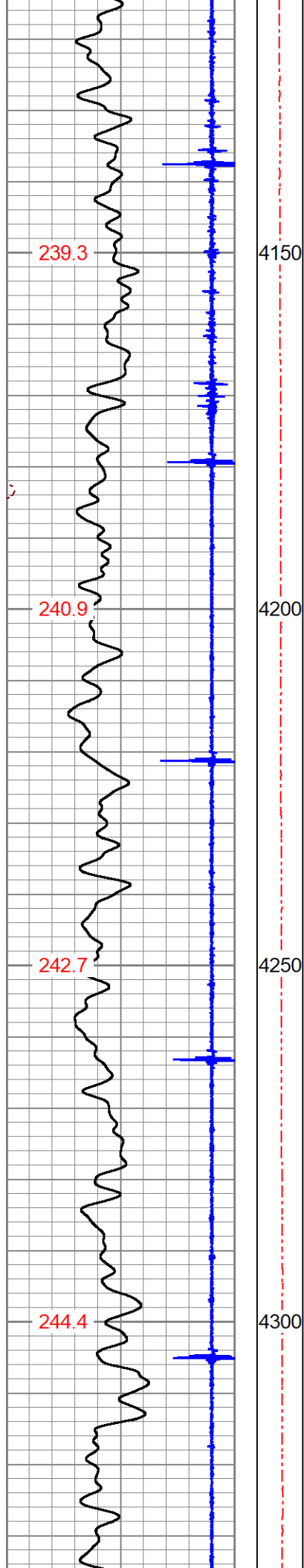


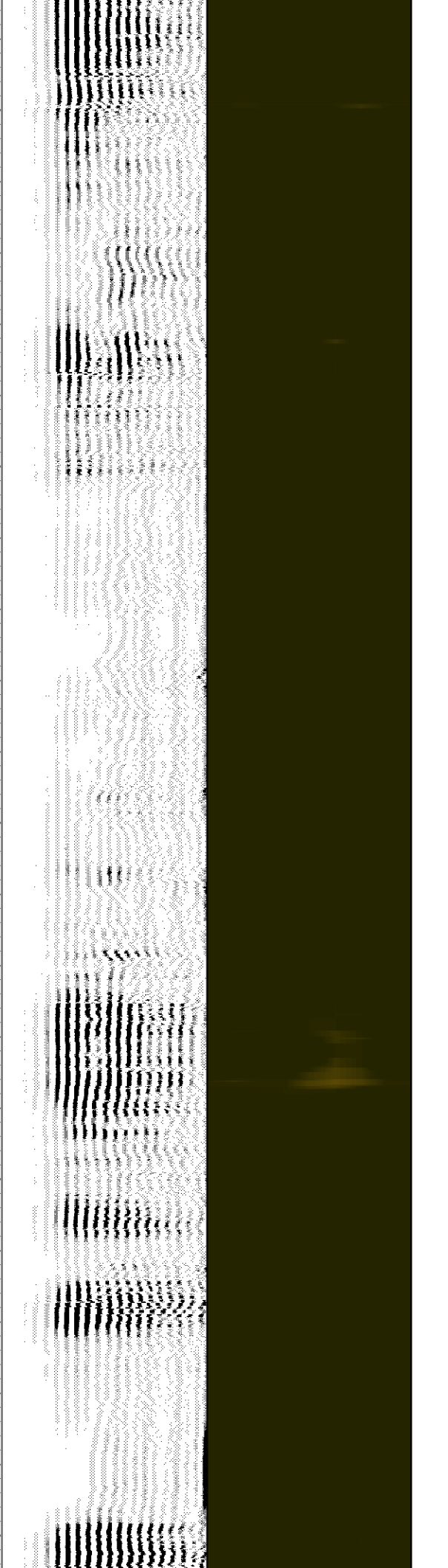
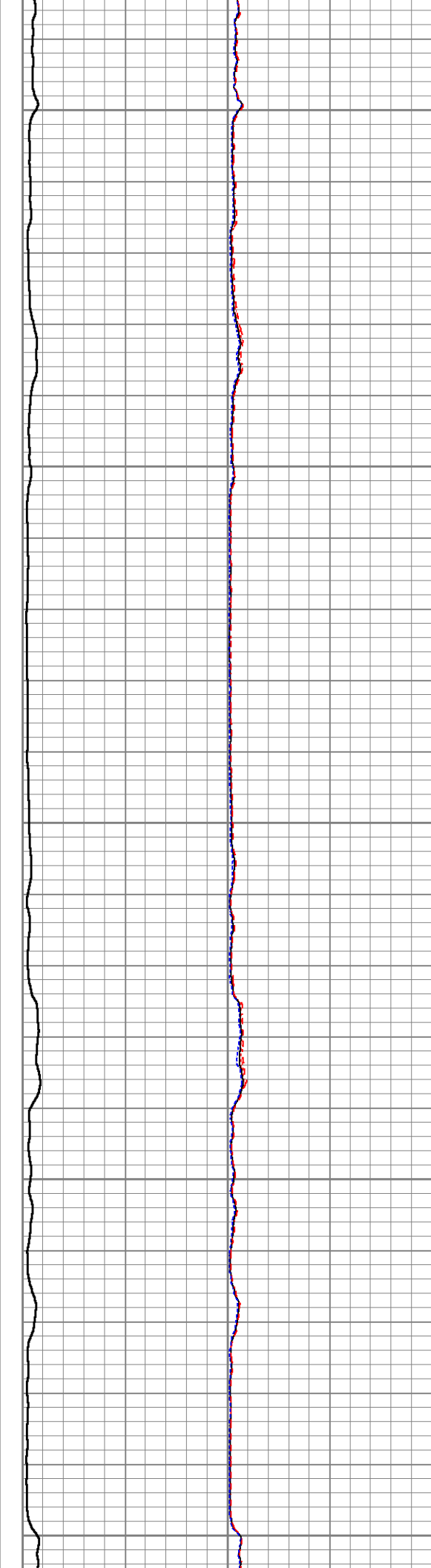
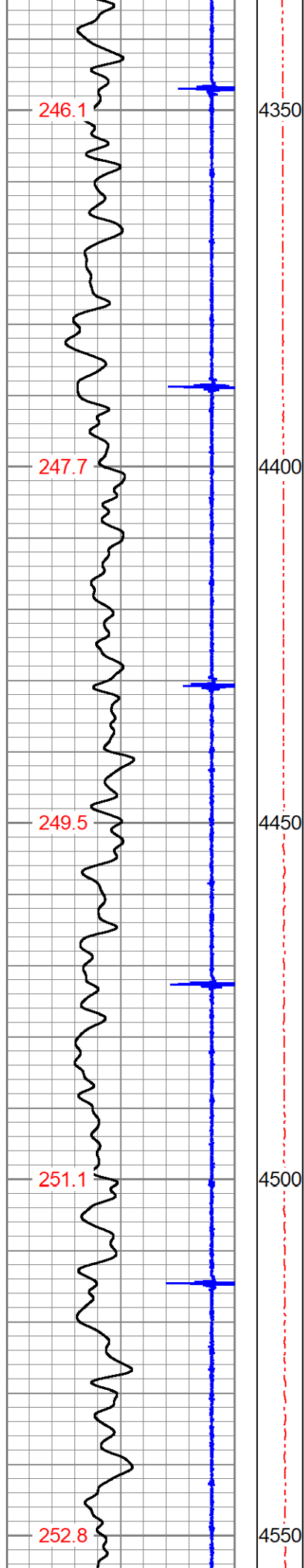


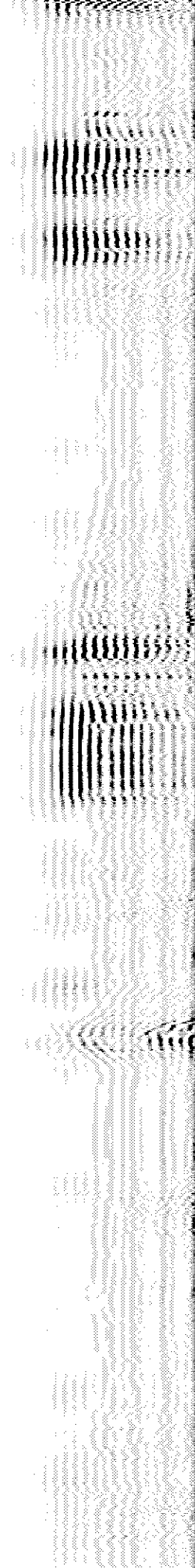
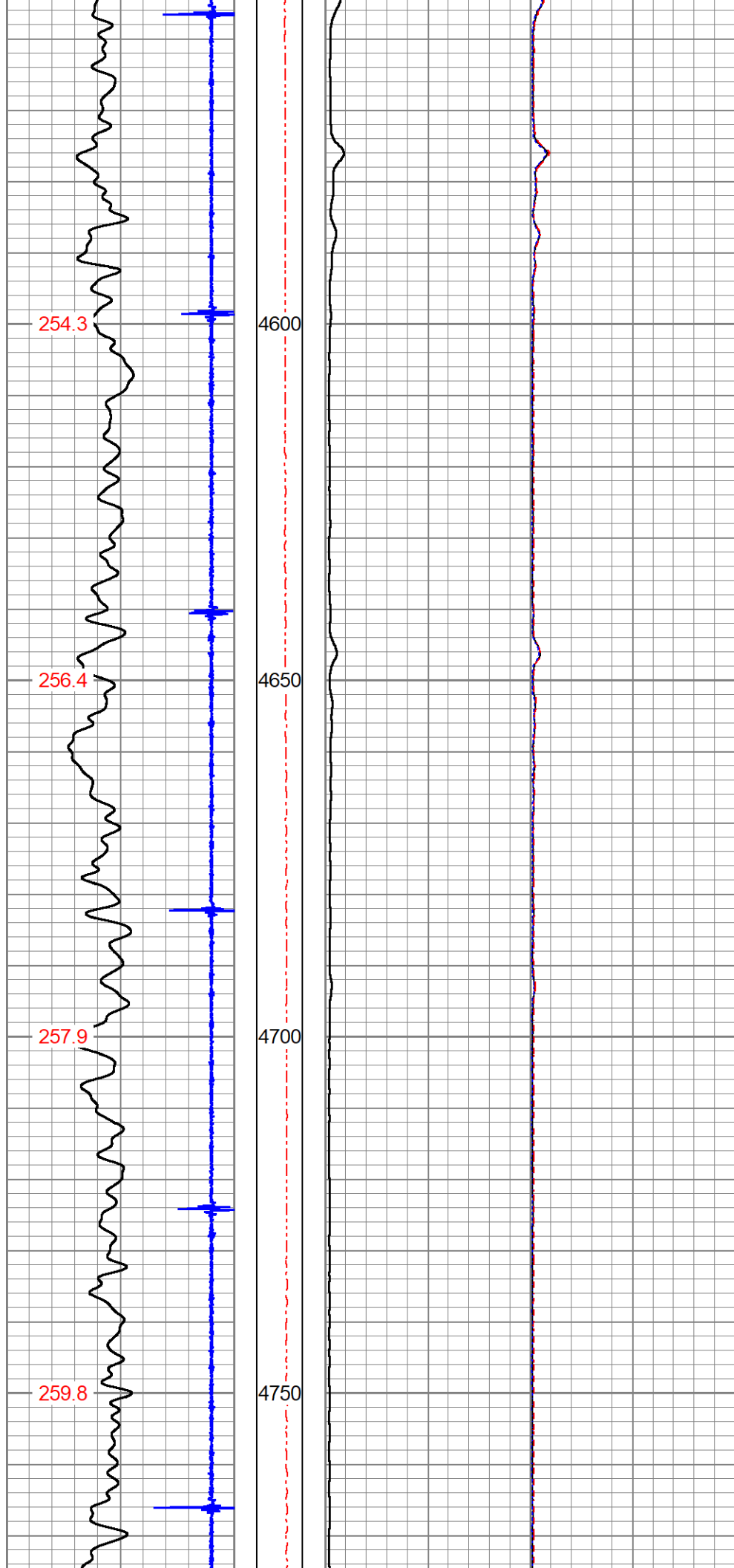


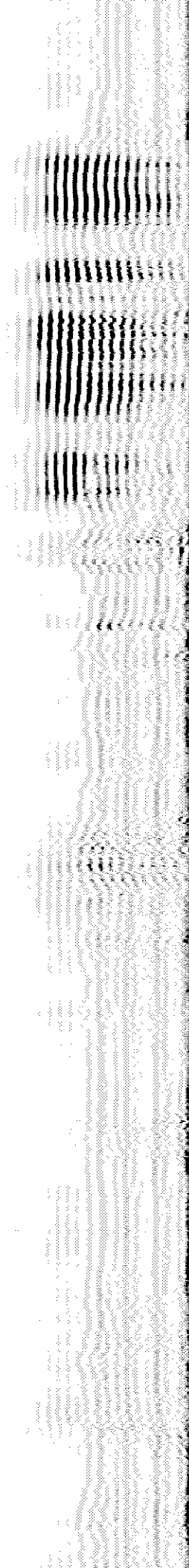
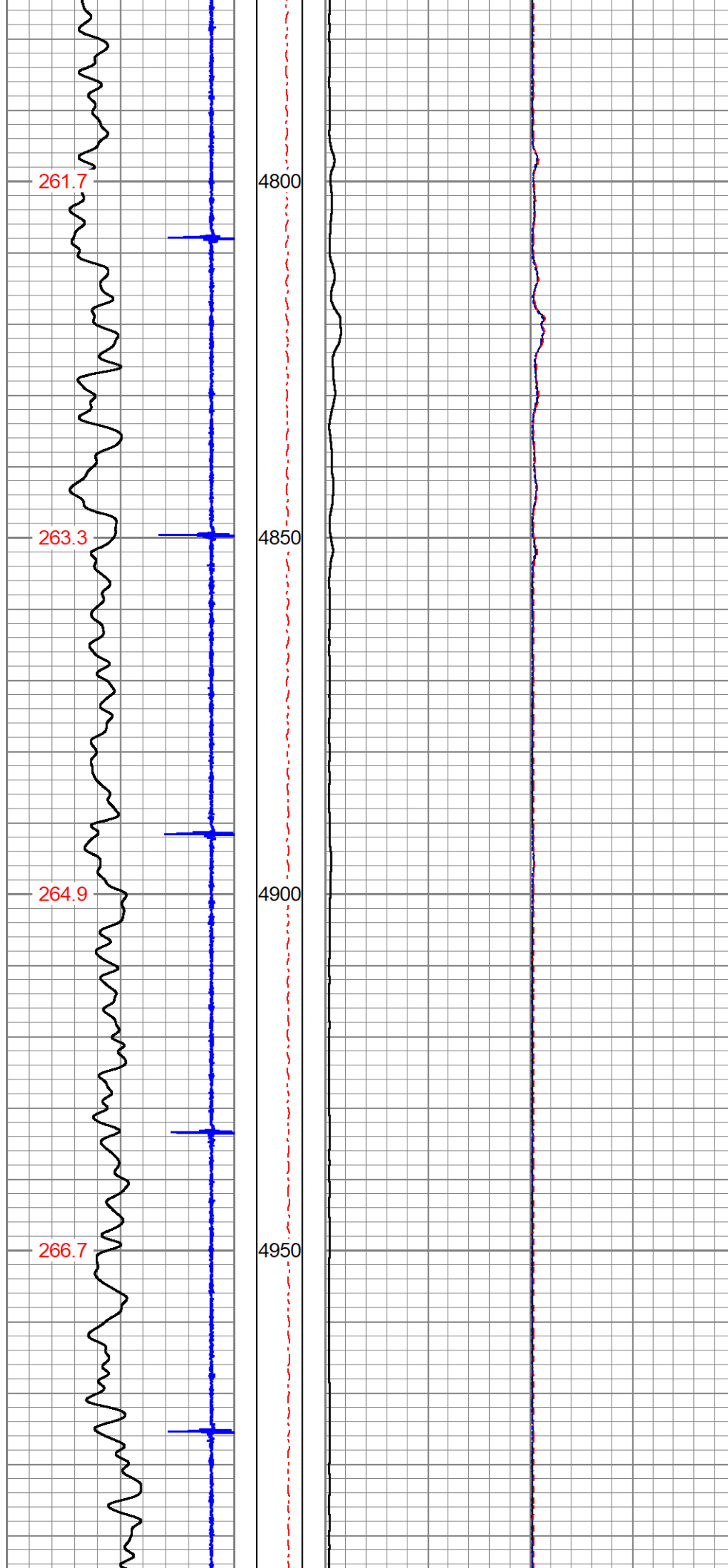


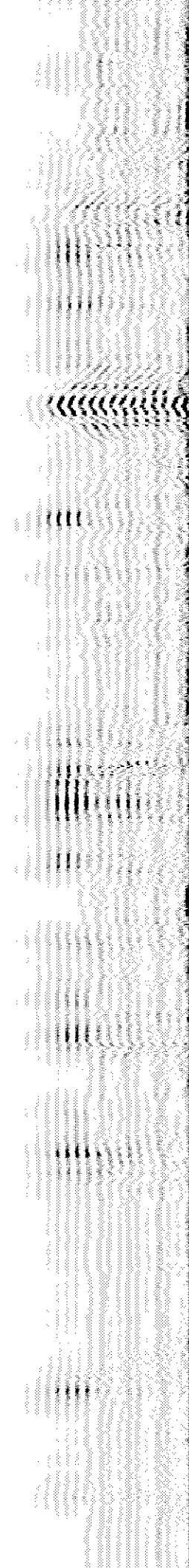
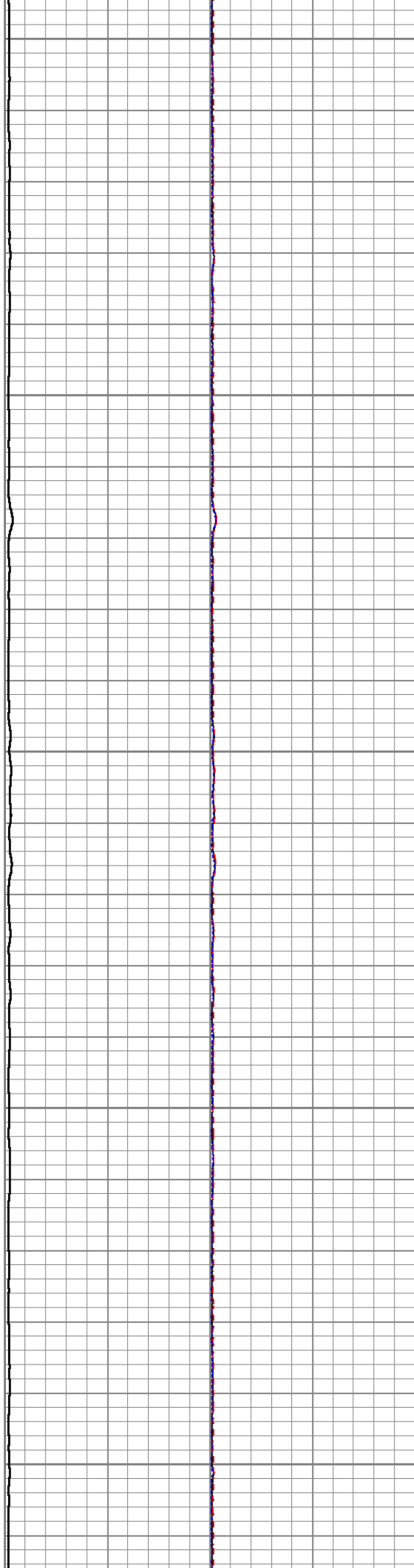
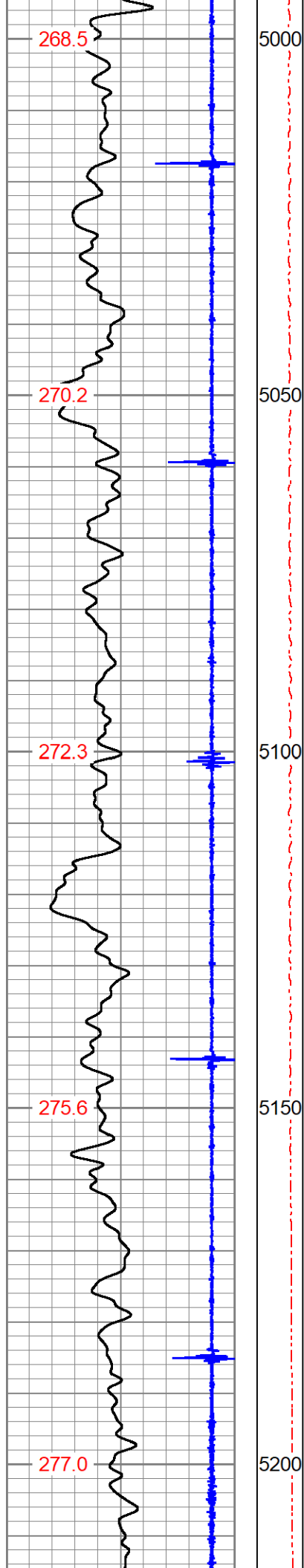


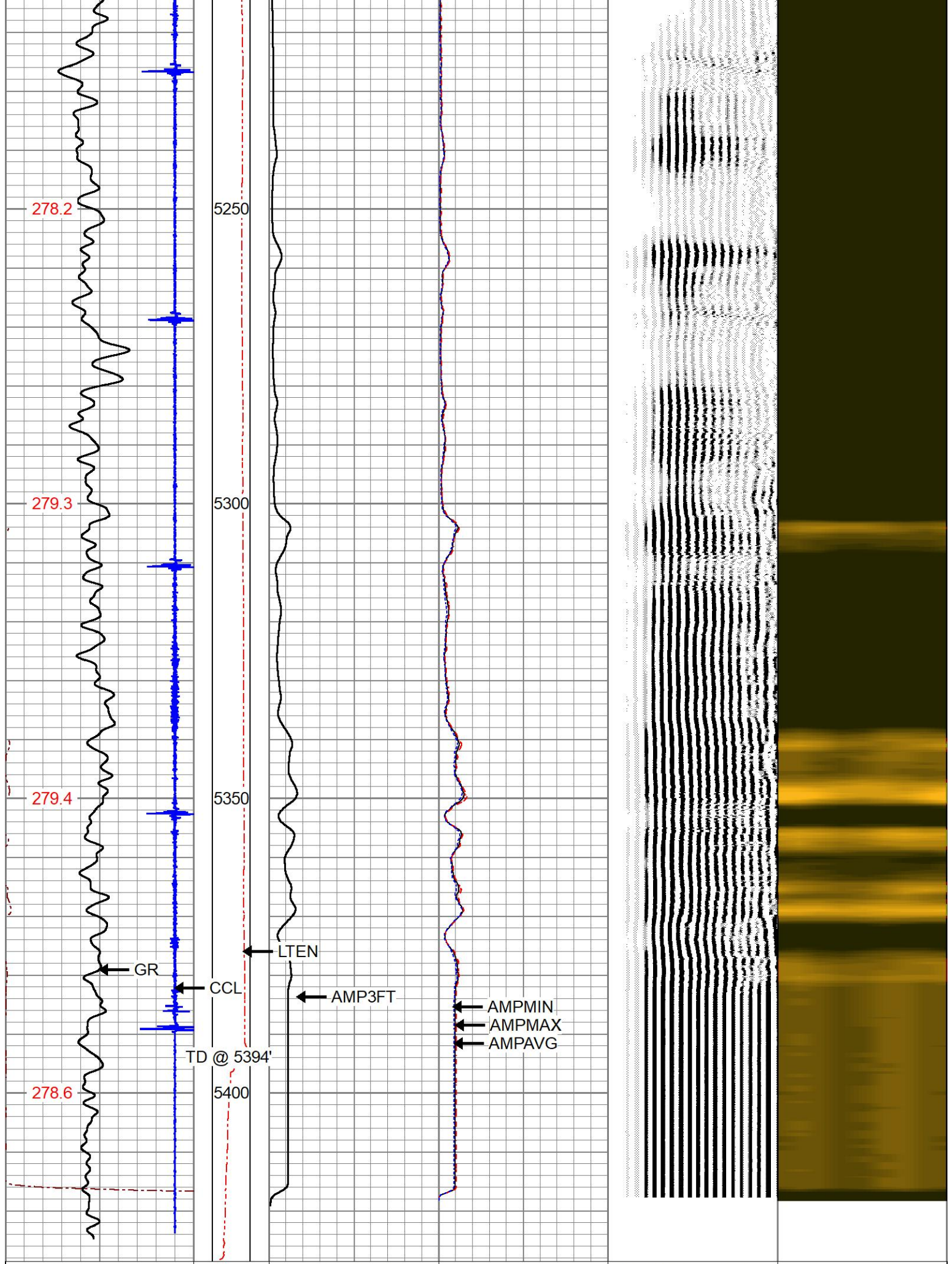












3Ft Travel Time

LineTensor

3' Amplitude

Sector

Amplitude Averages


200 VDL (usec) 1200

1

Sector Map

8

270	(usec)	170	0	2000	0	150
-9	Collar Locator	1				
	Gamma Ray					
0	(GAPI)	100				
TEMP						
(degF)						

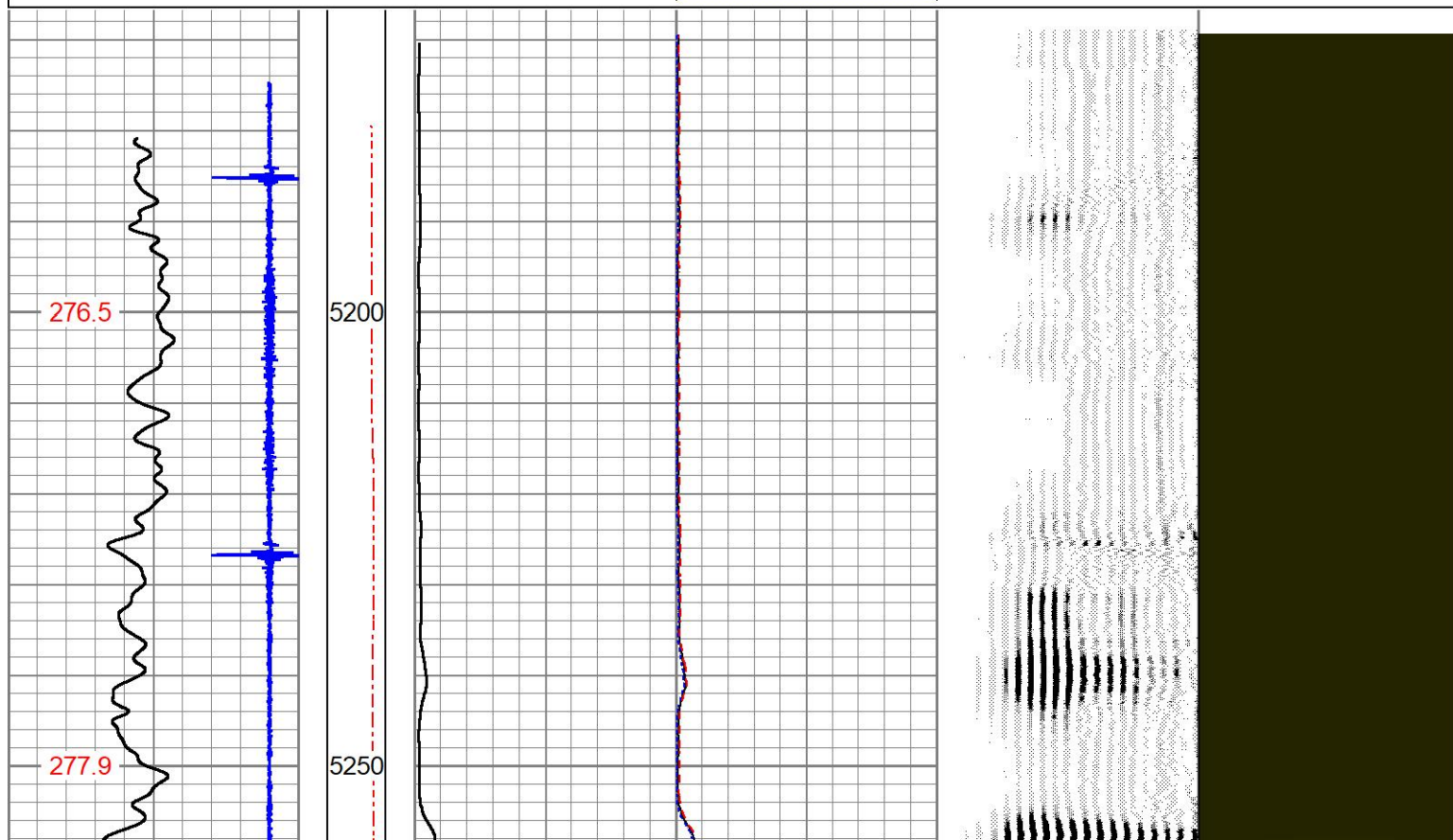


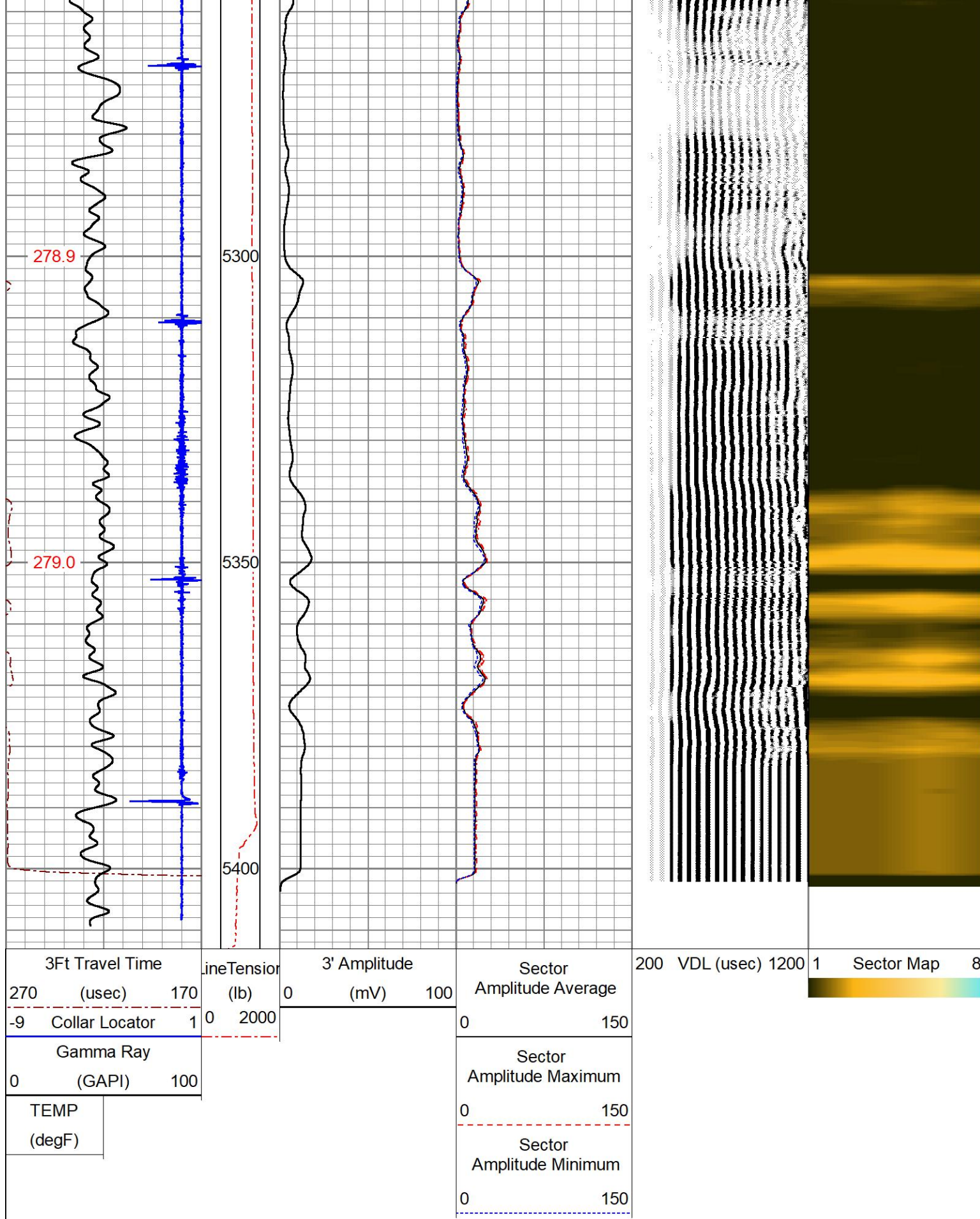
REPEAT SECTION

0 PSI APPLIED AT SURFACE

Database File	snake_river_1-11_1107520037_20211206.db
Dataset Pathname	wildcat/fallon_1-11/scbl/pass19
Presentation Format	pinr_scbl
Dataset Creation	Wed Dec 08 11:26:42 2021
Charted by	Depth in Feet scaled 1:240

3Ft Travel Time	lineTension	3' Amplitude	Sector	200	VDL (usec)	1200	1	Sector Map	8
270 (usec)	(lb)	0 (mV)	100	Amplitude Average					
-9 Collar Locator	1	0	2000	0	150				
Gamma Ray				Sector					
0 (GAPI)	100			Amplitude Maximum					
TEMP				0	150				
(degF)				Sector					
				Amplitude Minimum					
				0	150				





Calibration Report

Database File snake_river_1-11_1107520037_20211206.db
 Dataset Pathname wildcat/fallon_1-11/scbl/pass20.1
 Dataset Creation Wed Dec 08 13:06:36 2021

Gamma Ray Calibration Report

Serial Number: Probe-275
 Tool Model: 275 Probe
 Performed: Wed Dec 08 10:53:00 2021

 Calibrator Value: 979.0 GAPI

 Background Reading: 27.9 cps
 Calibrator Reading: 1408.2 cps

 Sensitivity: 0.7093 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1210-40
 Tool Model: RBL-DCT

 Calibration Casing Diameter: 5.500 in
 Calibration Depth: -178.967 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.629	1.000	71.921	43.552	0.991
CAL	0.009	1.566				
5'	0.000	1.517	1.000	71.921	46.768	0.983
SUM						
S1	0.000	1.556	0.000	100.000	64.271	-0.009
S2	-0.000	1.573	0.000	100.000	63.553	0.002
S3	-0.000	1.672	0.000	100.000	59.784	0.018
S4	-0.000	1.799	0.000	100.000	55.595	0.006
S5	-0.000	1.861	0.000	100.000	53.732	0.003
S6	0.000	1.846	0.000	100.000	54.164	-0.009
S7	-0.000	1.764	0.000	100.000	56.688	0.002
S8	0.000	1.699	0.000	100.000	58.848	-0.008

Air Zero Calibration, performed Sun Dec 05 15:55:17 2021:

	Raw (v)		Calibrated (v)		Results
	Zero		Zero		Offset
3'	0.008		0.000		0.000
5'	0.008		0.000		0.000
SUM					
S1	0.012		0.000		0.000
S2	0.009		0.000		-0.000
S3	0.008		0.000		-0.000
S4	0.008		0.000		-0.000
S5	0.008		0.000		-0.000
S6	0.008		0.000		0.000
S7	0.008		0.000		-0.000
S8	0.008		0.000		0.000

Temperature Calibration Report

Serial Number: FW1210-40
 Tool Model: RBL-DCT
 Performed: Wed Dec 08 10:53:06 2021

Reference Reading

Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			



Company	SNAKE RIVER OIL & GAS
Well	FALLON #1-11
Field	HARMON
County	PAYETTE
State	IDAHO