

Company				URSA OPERATING CO., LLC.											
Well				WATSON RANCH B 32C-17-07-95											
Field				PARACHUTE											
County				GARFIELD State		CO									
Permanent Datum				Sec: 17 Twp: 07S Rge: 95W				Company				URSA OPERATING CO., LLC.			
								Well				WATSON RANCH B 32C-17-07-95			
								Field				PARACHUTE			
								County				GARFIELD		State	
Log Measured From				GROUND LEVEL				Elevation				5585'			
Drilling Measured From				KB				17 Ft. above perm. datum				K.B. 5602'			
				KB								D.F. 5601'			
												G.L. 5585'			
Date @ Time Logged				03 JUNE 2015				Type Fluid in Hole				WATER			
Run No.				ONE				Density of Fluid				8.4#			
Depth - Driller				7459'				Fluid Level				FULL			
Depth - Logger				7272'				Cement Top Est. Logged				SEE LOG			
Bottom - Logged Interval				7272'				Equipment / Location				10971668 / G.J.			
Top - Log Interval				1500'				Recorded by				D. SOLIS			
Max. Recorded Temp.				216 DEG F				Witnessed by				R. TOLLE			
CEMENTING DATA				Surface				Protection				Production			
Date / Time Cemented				String				String				Liner			
Primary / Squeeze				N/A				N/A				N/A			
Expected Compressive Strength				psi@				hrs				psi@			
Cement Volume				psi@				hrs				psi@			
Cement Type / Weight				/				/				/			
Formulation															
Mud Type / Mud Wgt.				/				/				/			
Borehole Record								Casing & Tubing Record							
Run Number		Bit		From		To		Size		Weight		From		To	
ONE		12.25"		SURFACE		1840'		8.625"		32.0#		SURFACE		1840'	
TWO		7.875"		1840'		7459'		4.5"		11.6#		SURFACE		7459'	

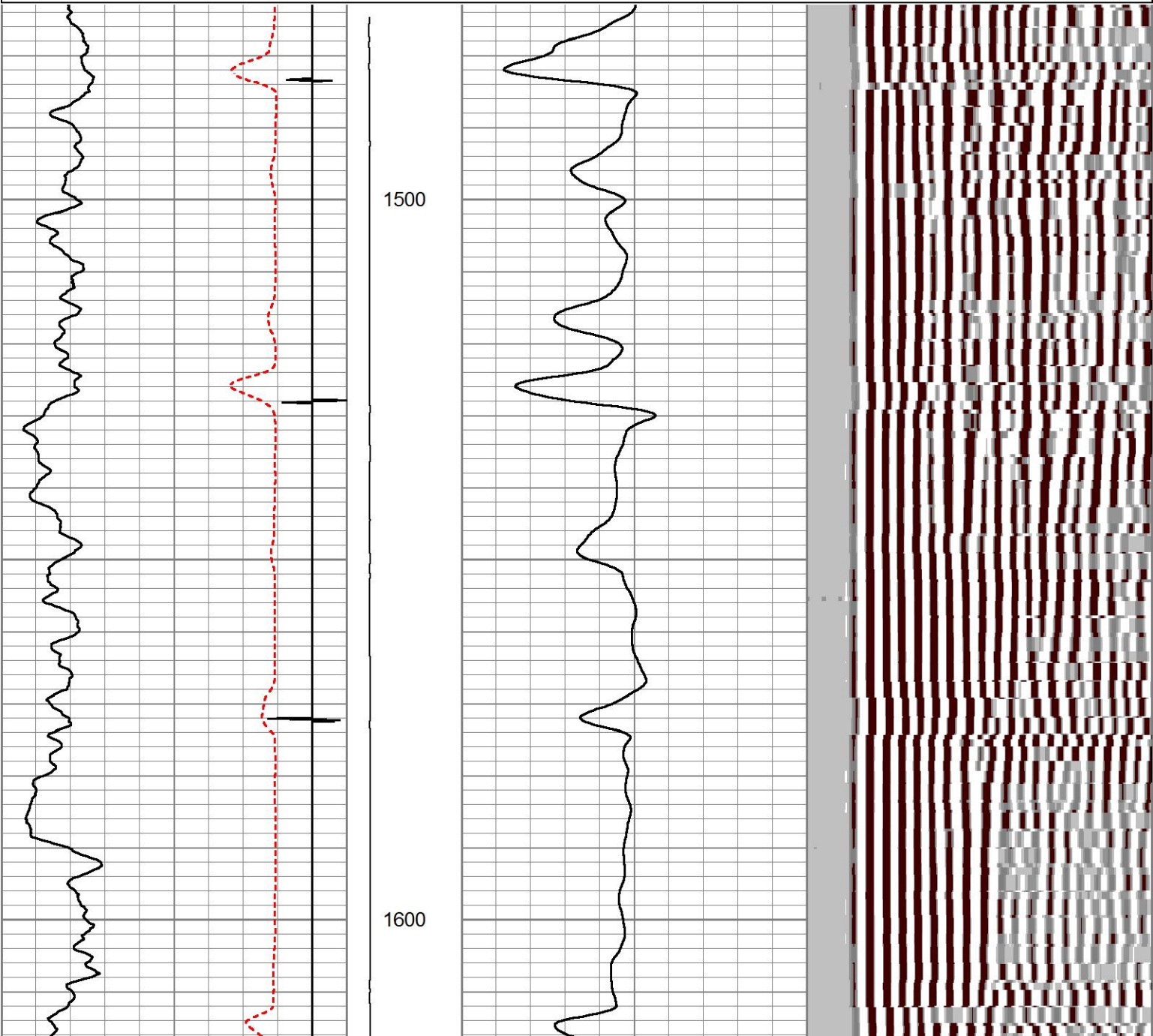
ONE	7272'	1500'	0	REC	MAIN LOG SECTION			
	GAMMA RAY		TRAVEL TIME		AMPLITUDE		MSG	
Pass	Scale		Scale		Scale		Scale	
No.	L	R	L	R	L	R	L	L
ONE	0	200	370	170	0	100	200	1200
DIRECTIONAL INFORMATION								
Maximum Deviation		N/A	deg. @		N/A	KOP		N/A

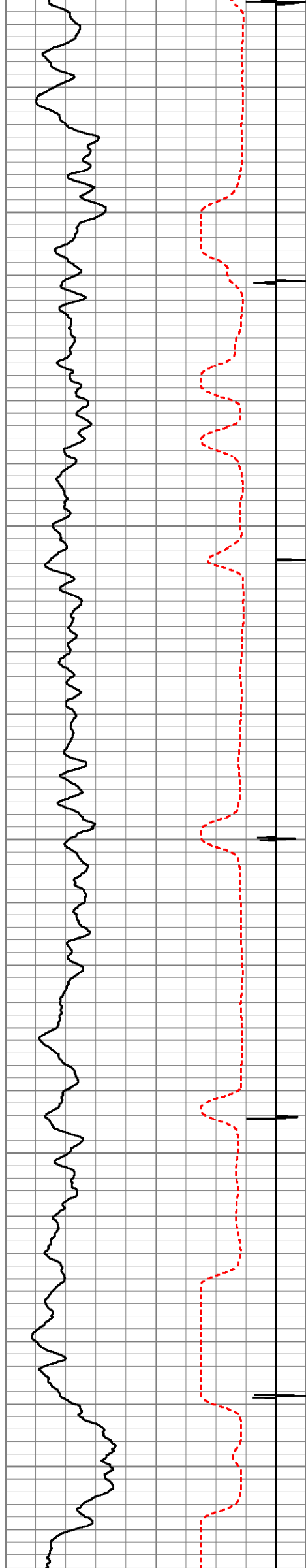
HALLIBURTON

MAIN LOG SECTION

5" = 100'

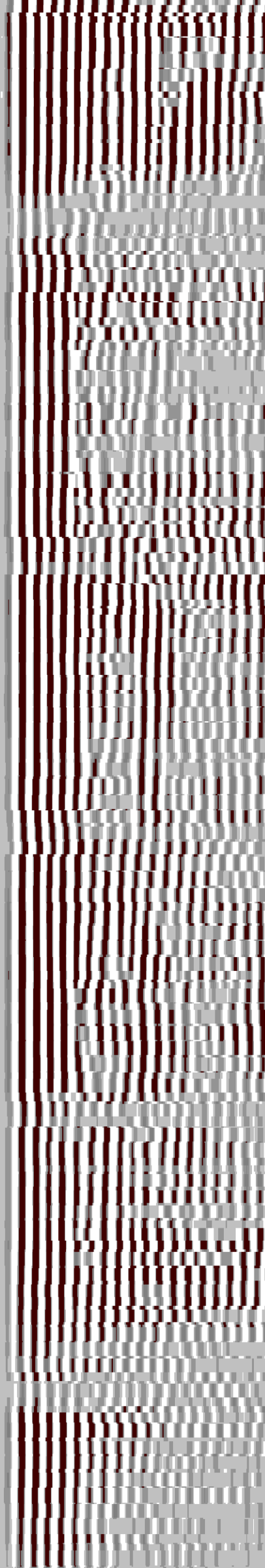
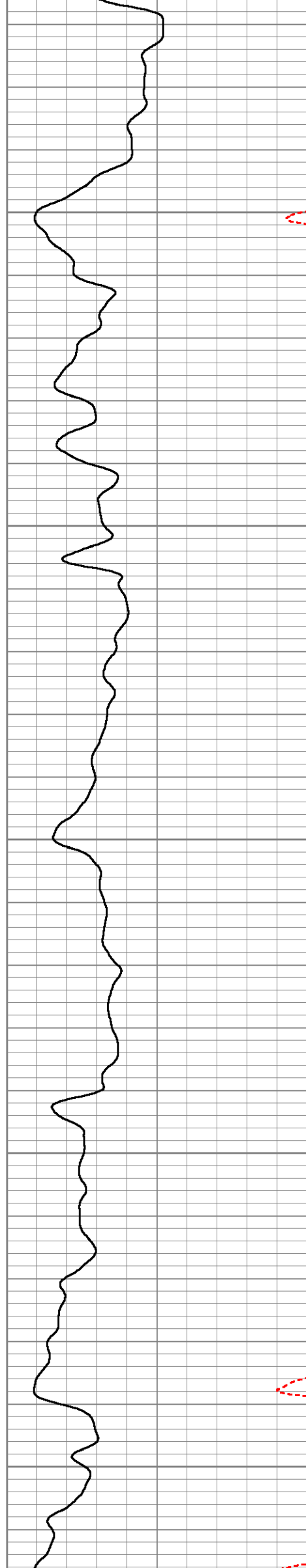
Database File		watson_b_32c_combo.db							
Dataset Pathname		MAIN1							
Presentation Format		CBL_RB~1							
Dataset Creation		Wed Jun 03 03:24:21 2015							
Charted by		Depth in Feet scaled 1:240							
370	TRAVEL TIME (usec)	170	LTEN	0	AMP AMPLITUDE (mV)	10	200	MSG	1200
-5400	Collar Locator	600	0	(lb)3000	0	AMPLITUDE (mV)	100	<div><div></div><div></div><div></div><div></div></div>	
0	Gamma Ray (GAPI)	200							

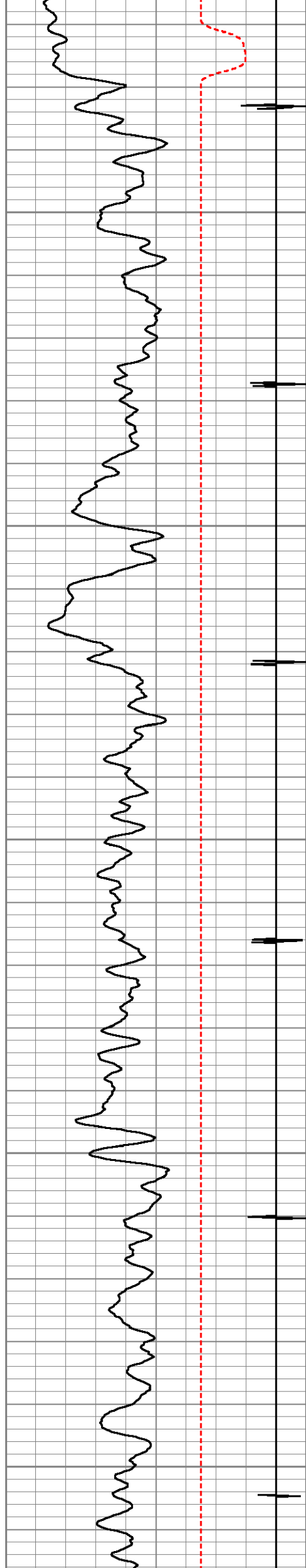




1700

1800

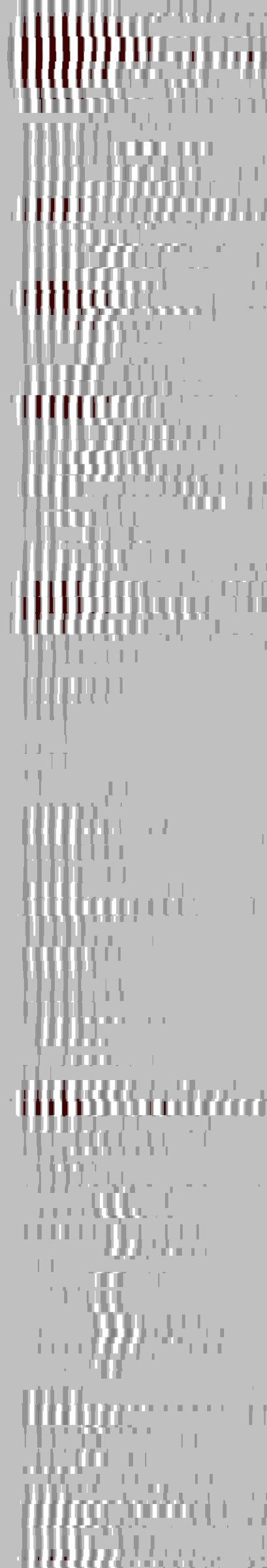
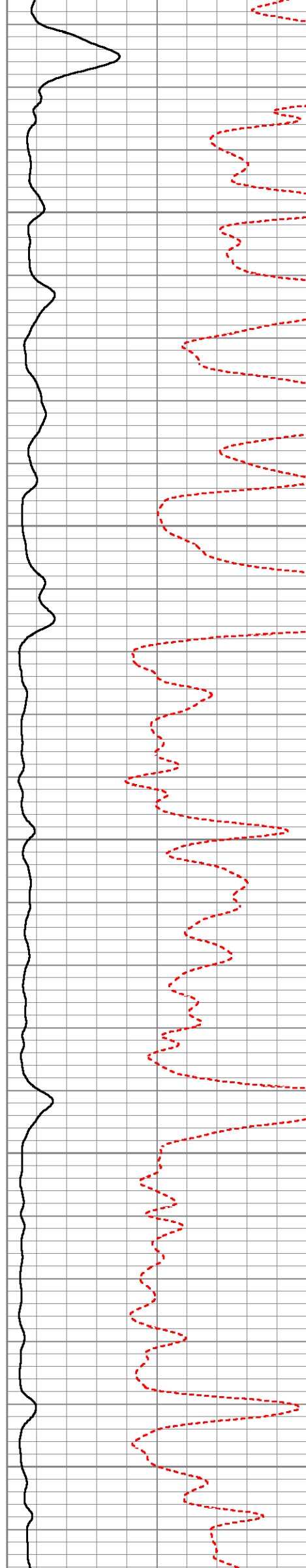


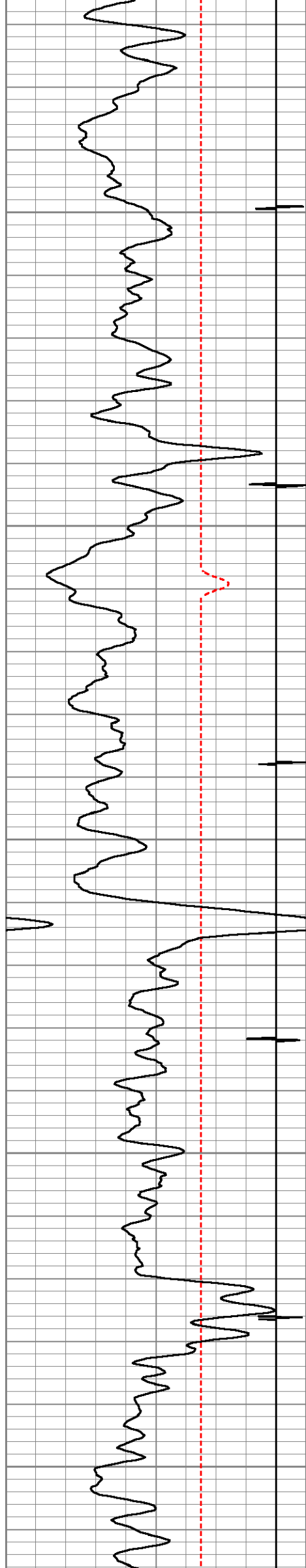


1900

2000

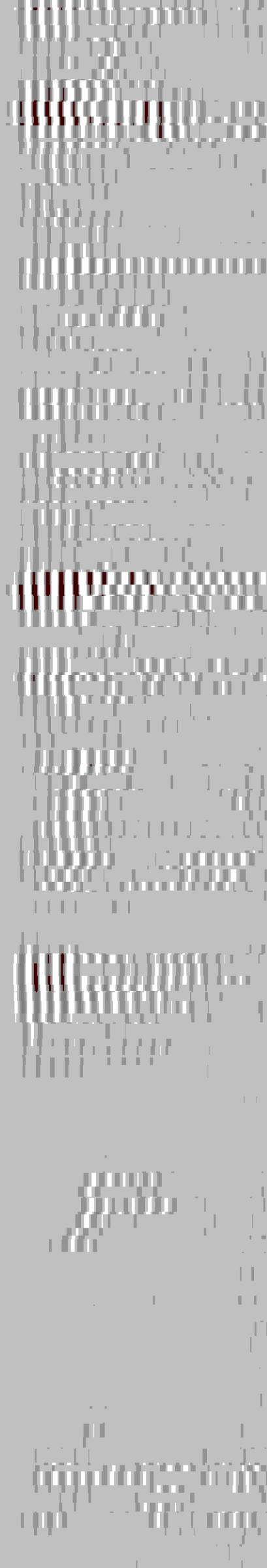
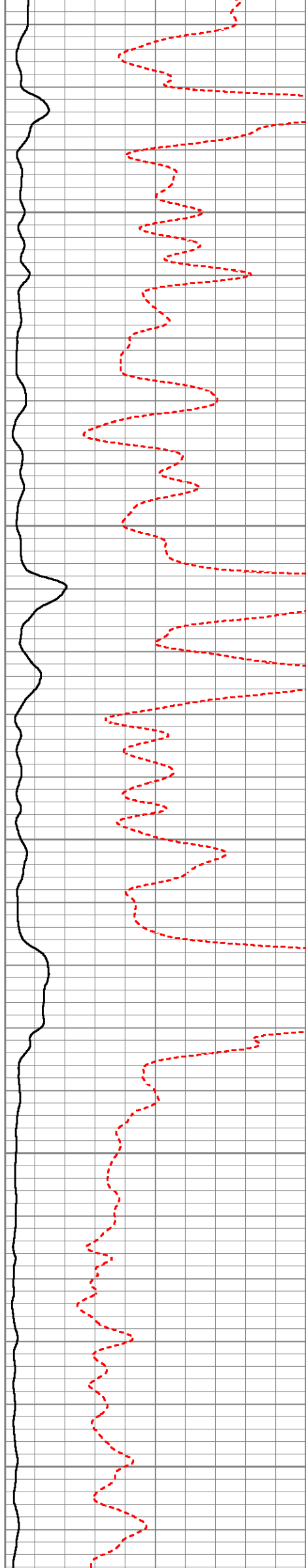
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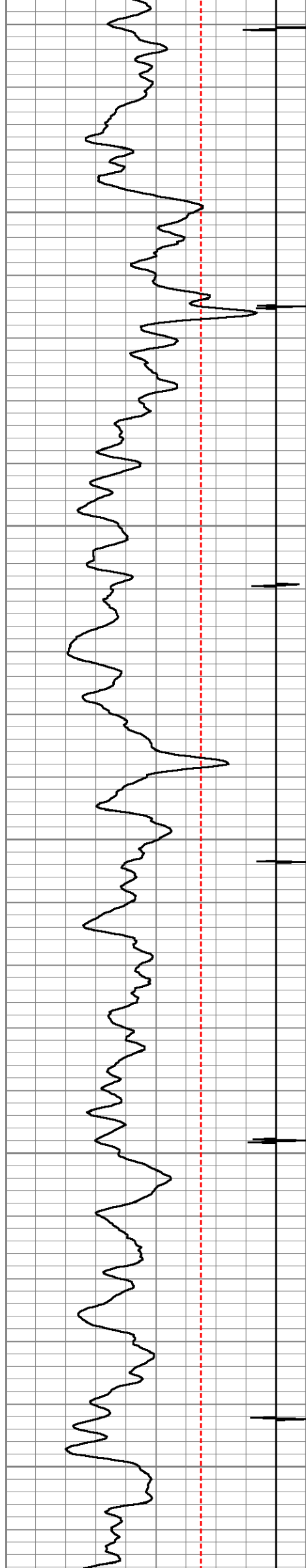




2200

2300

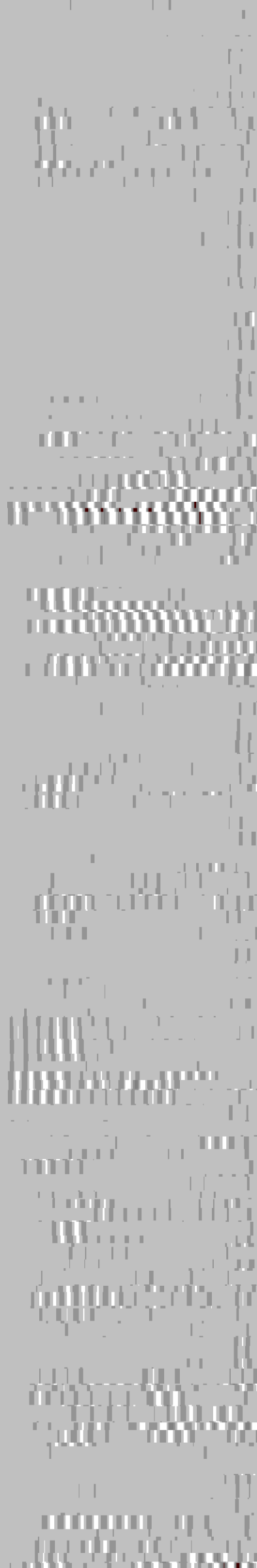
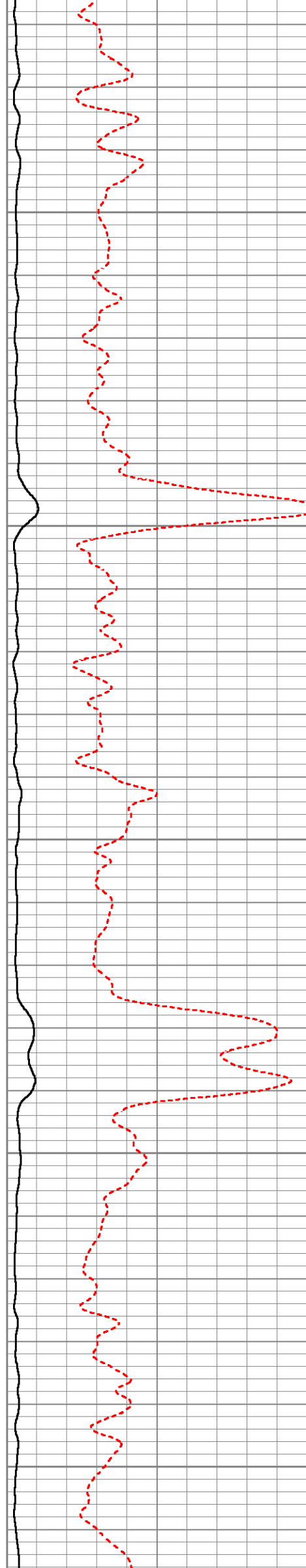


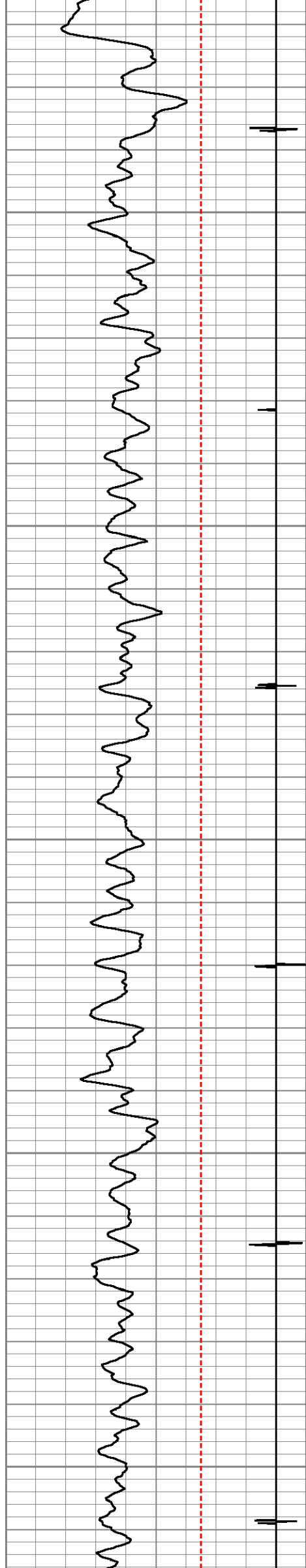


2400

2500

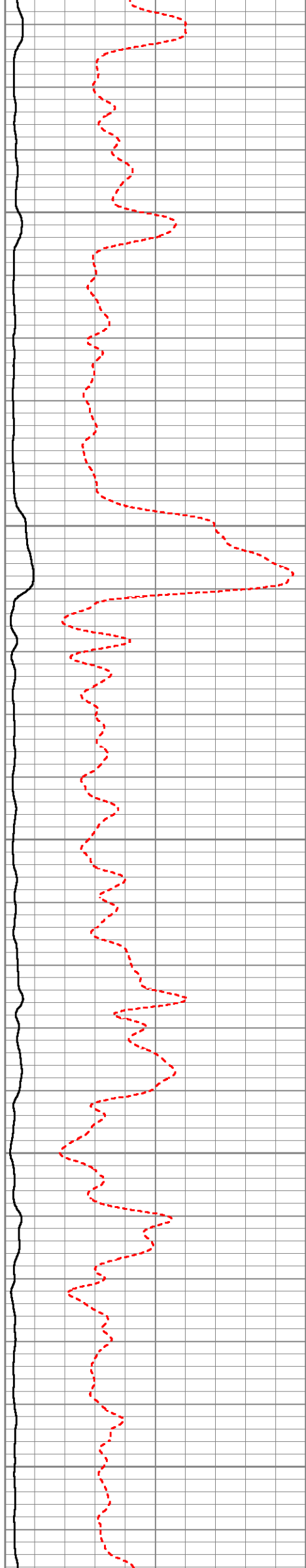
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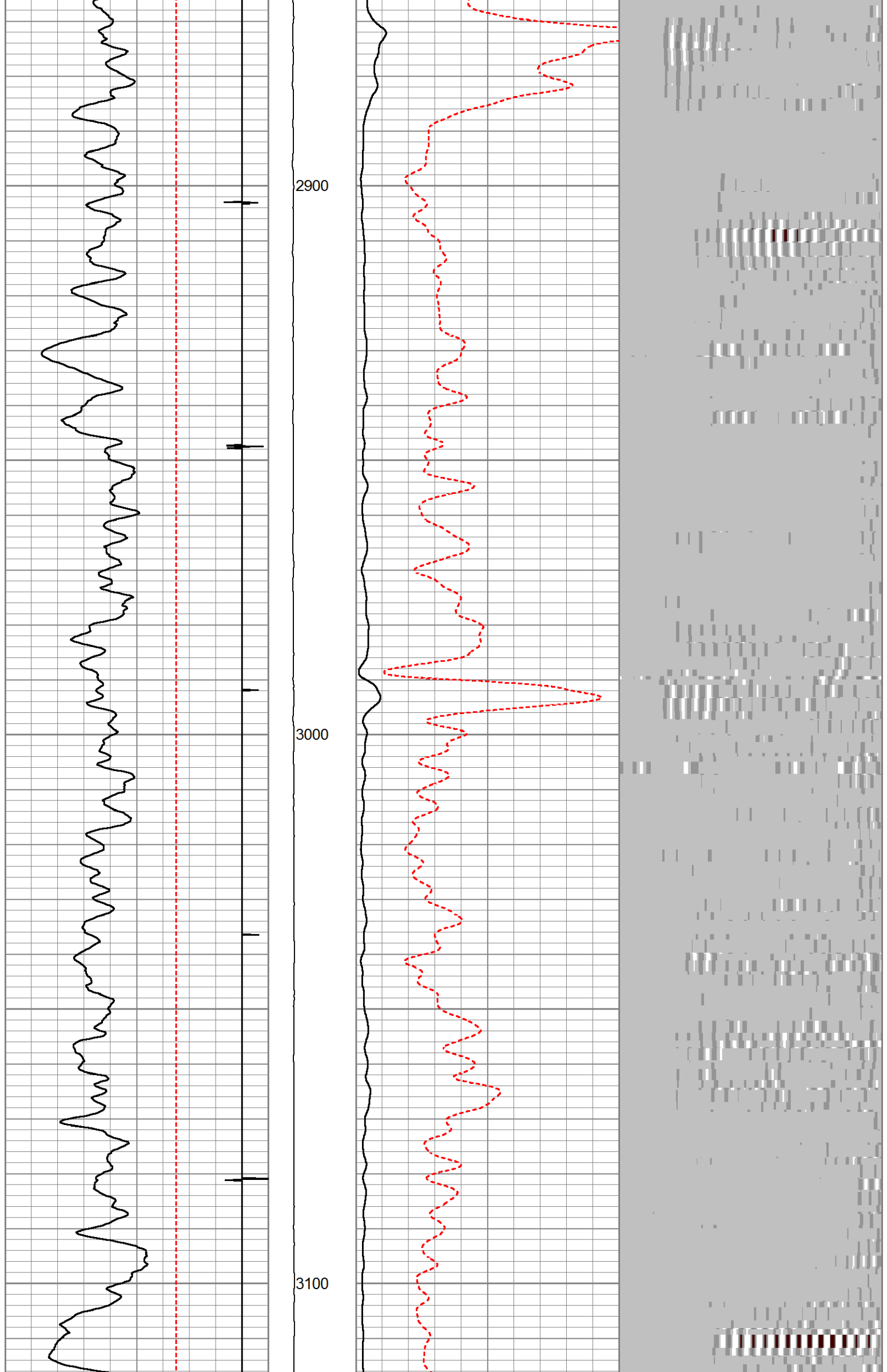


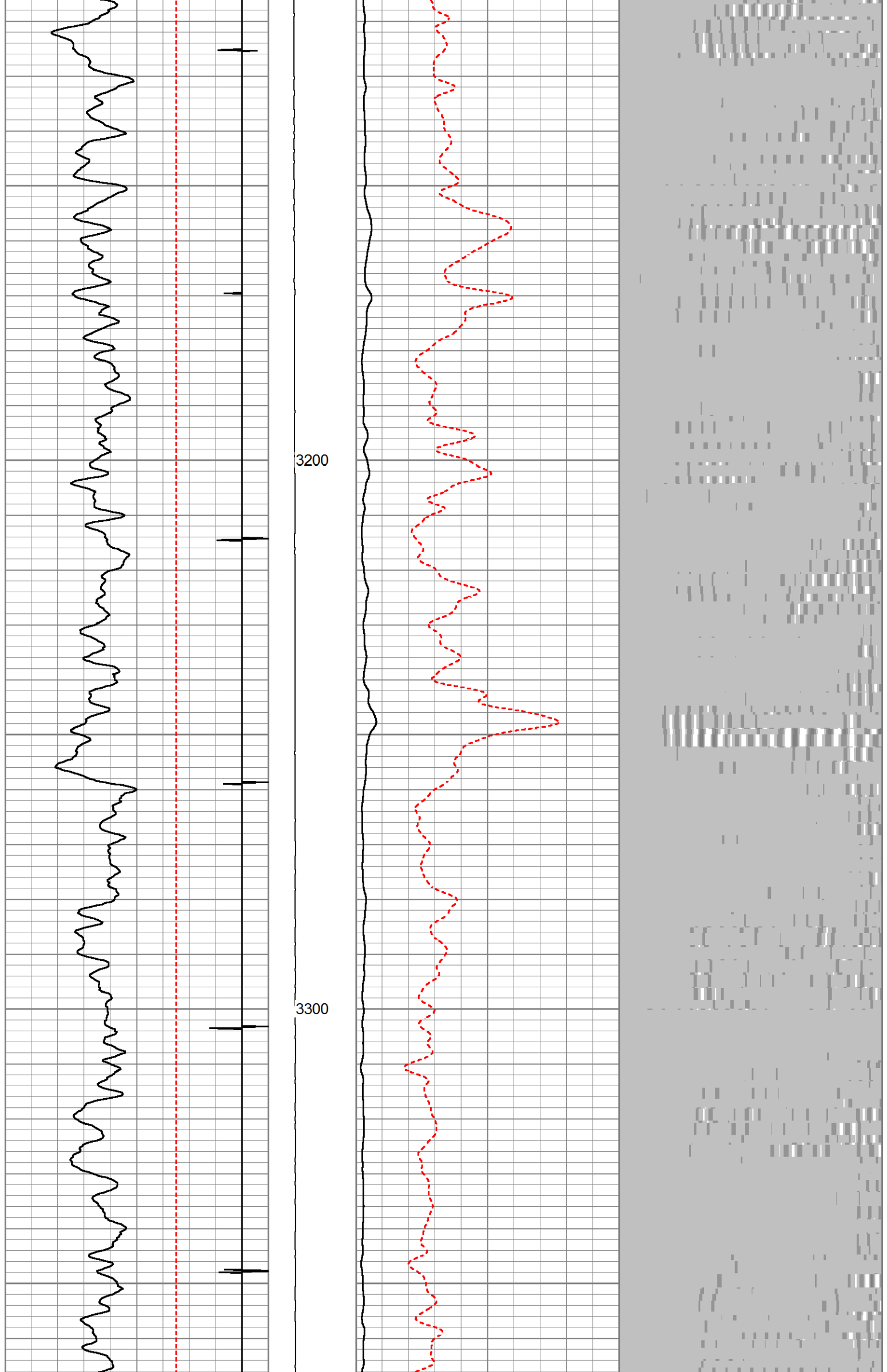


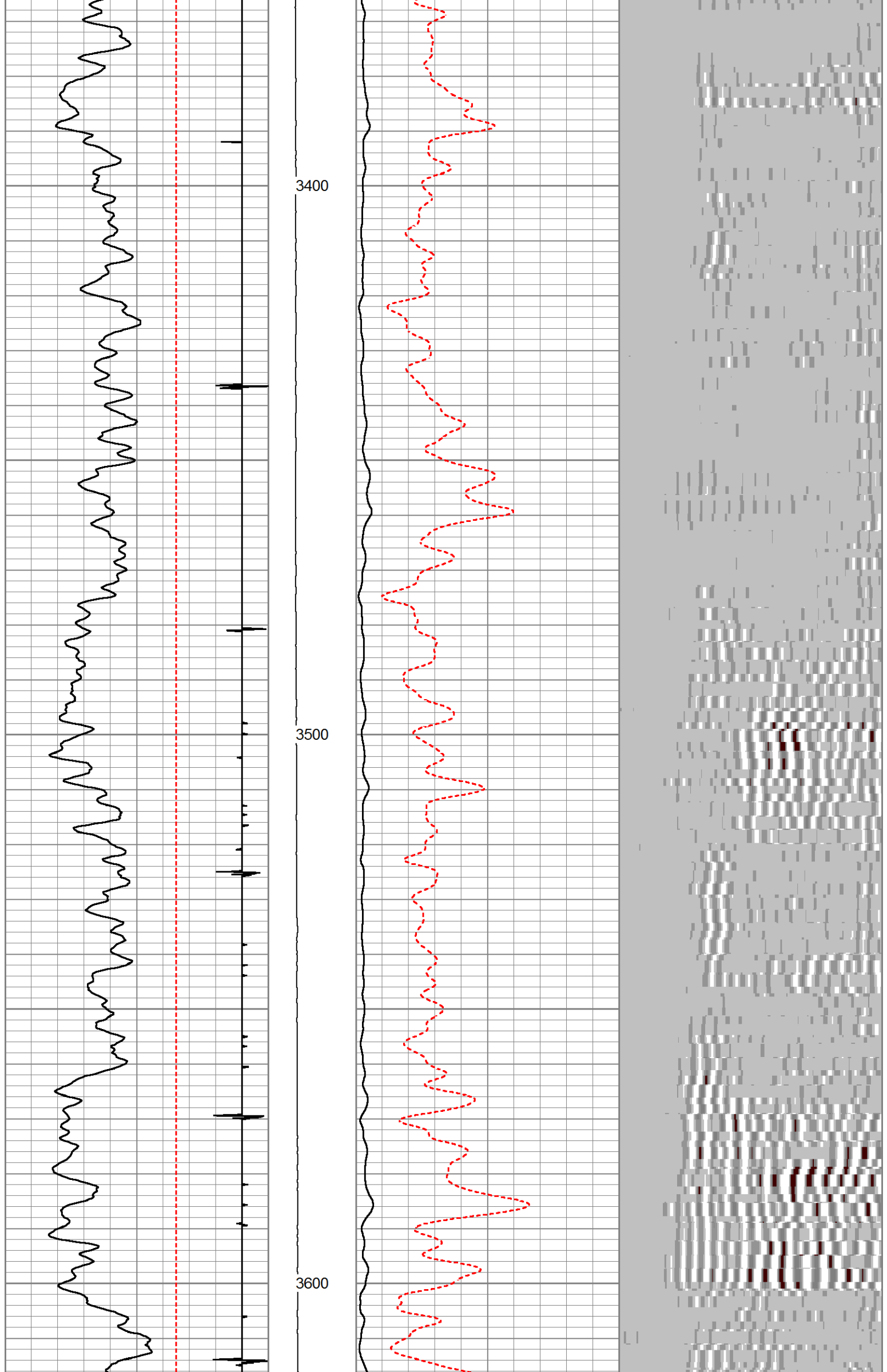
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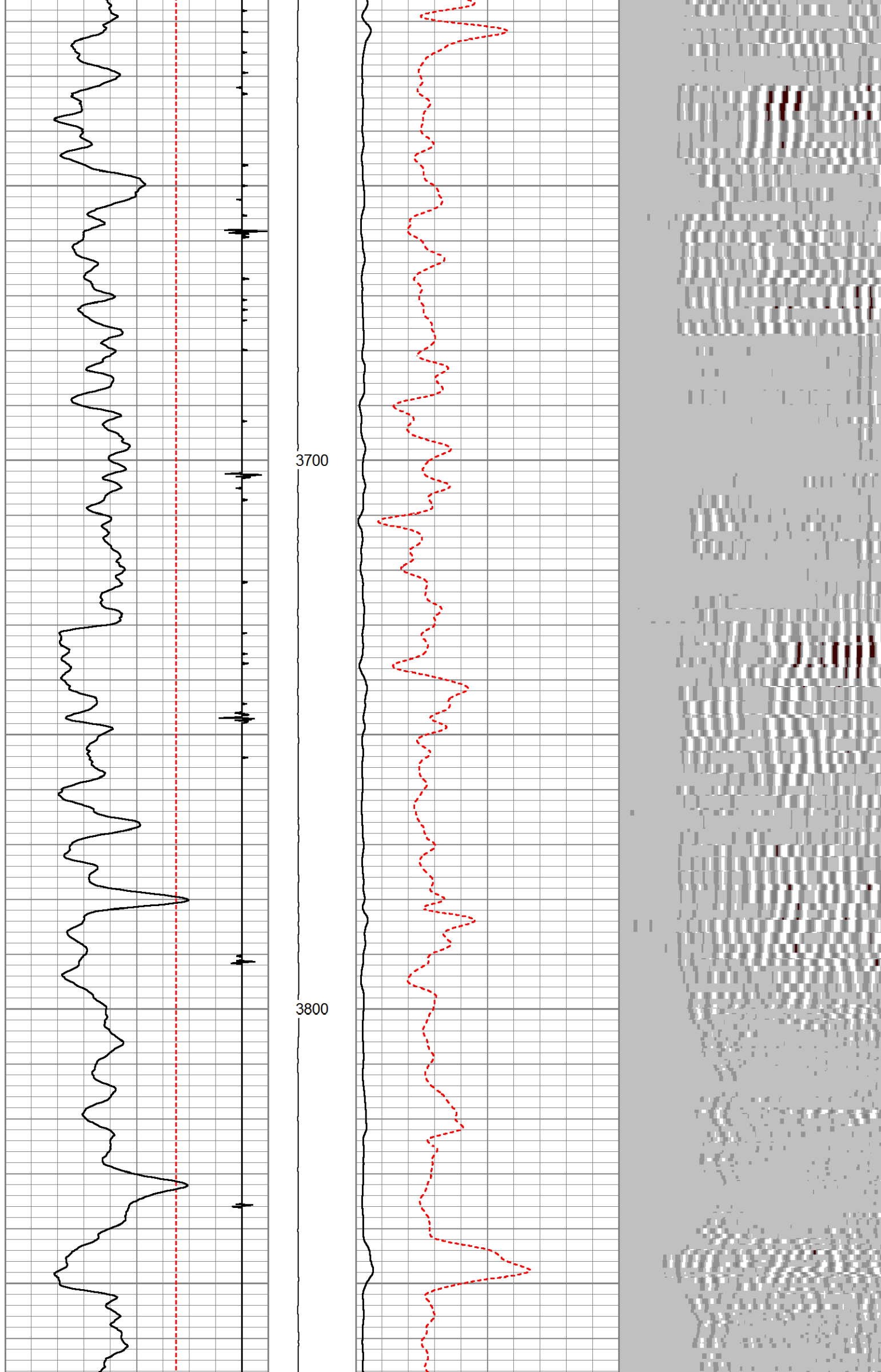
2800

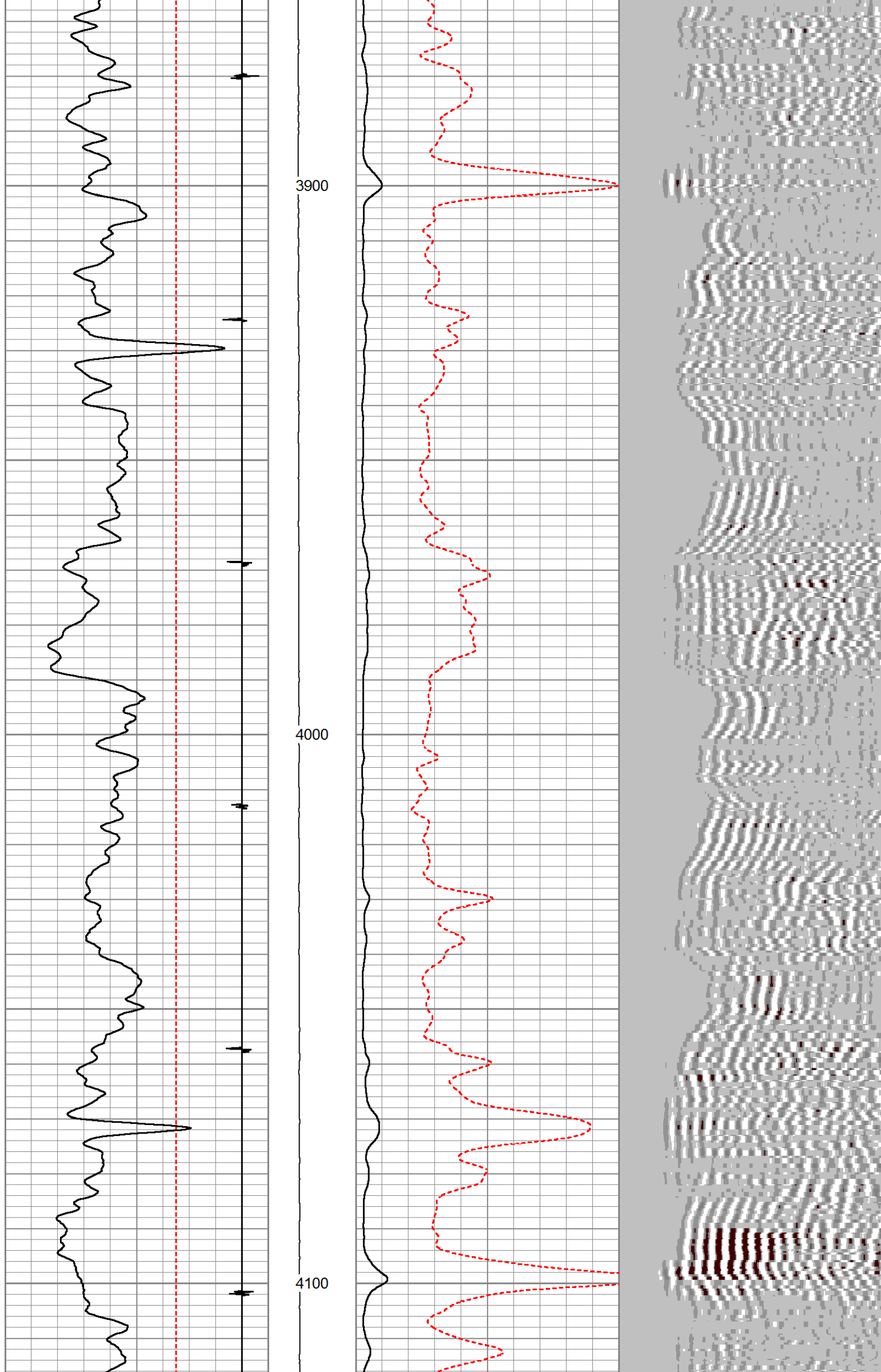


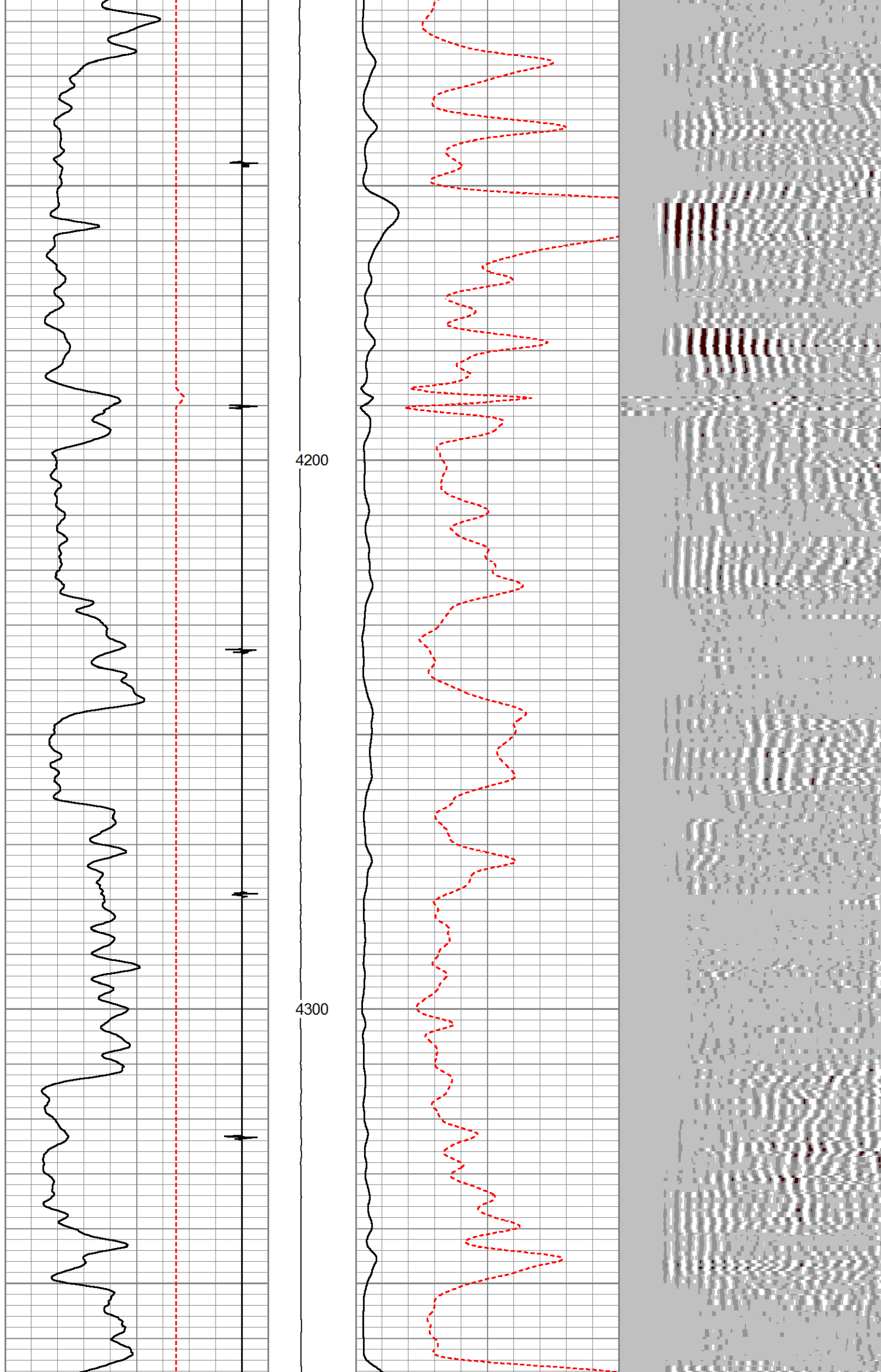


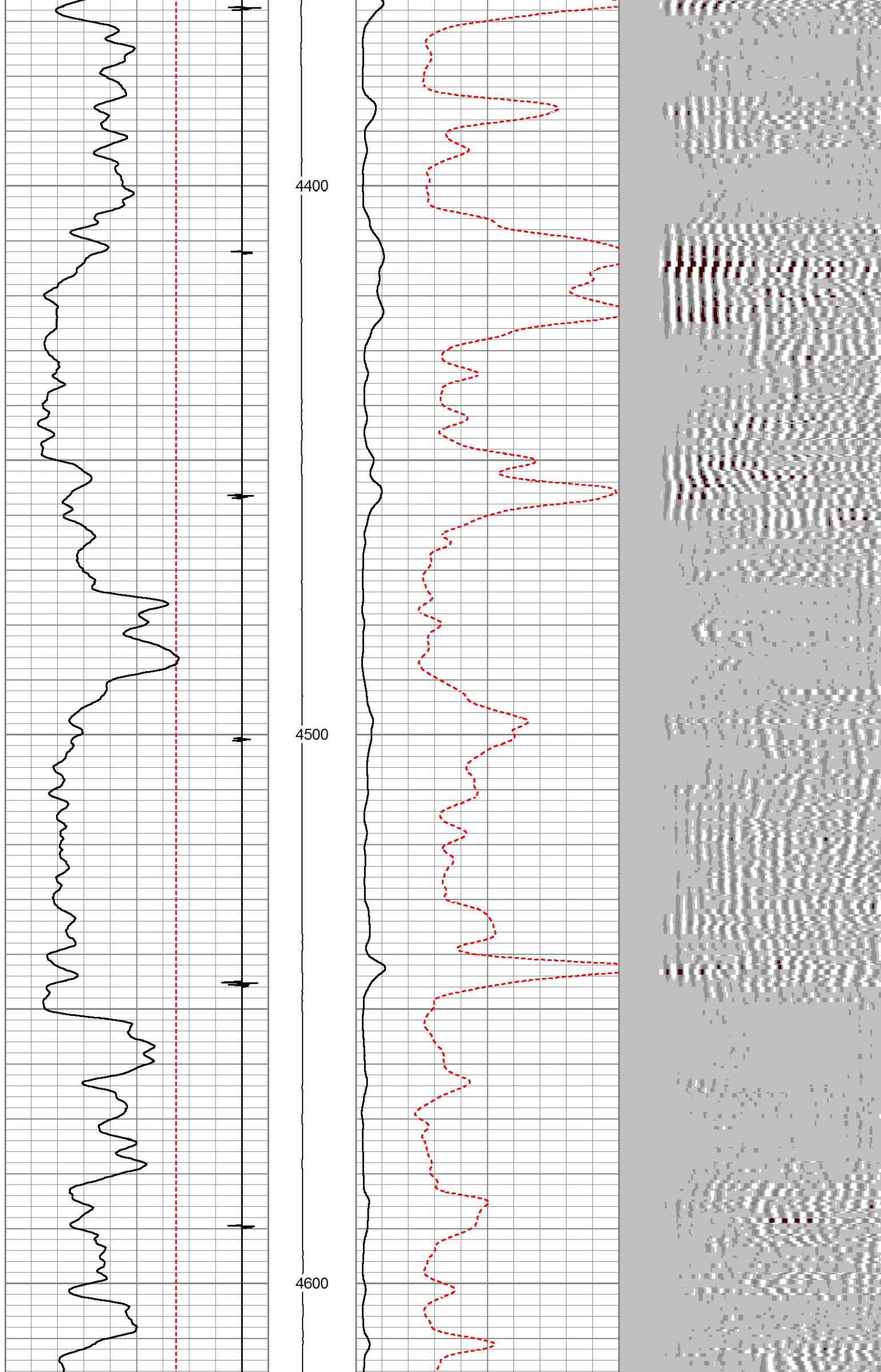


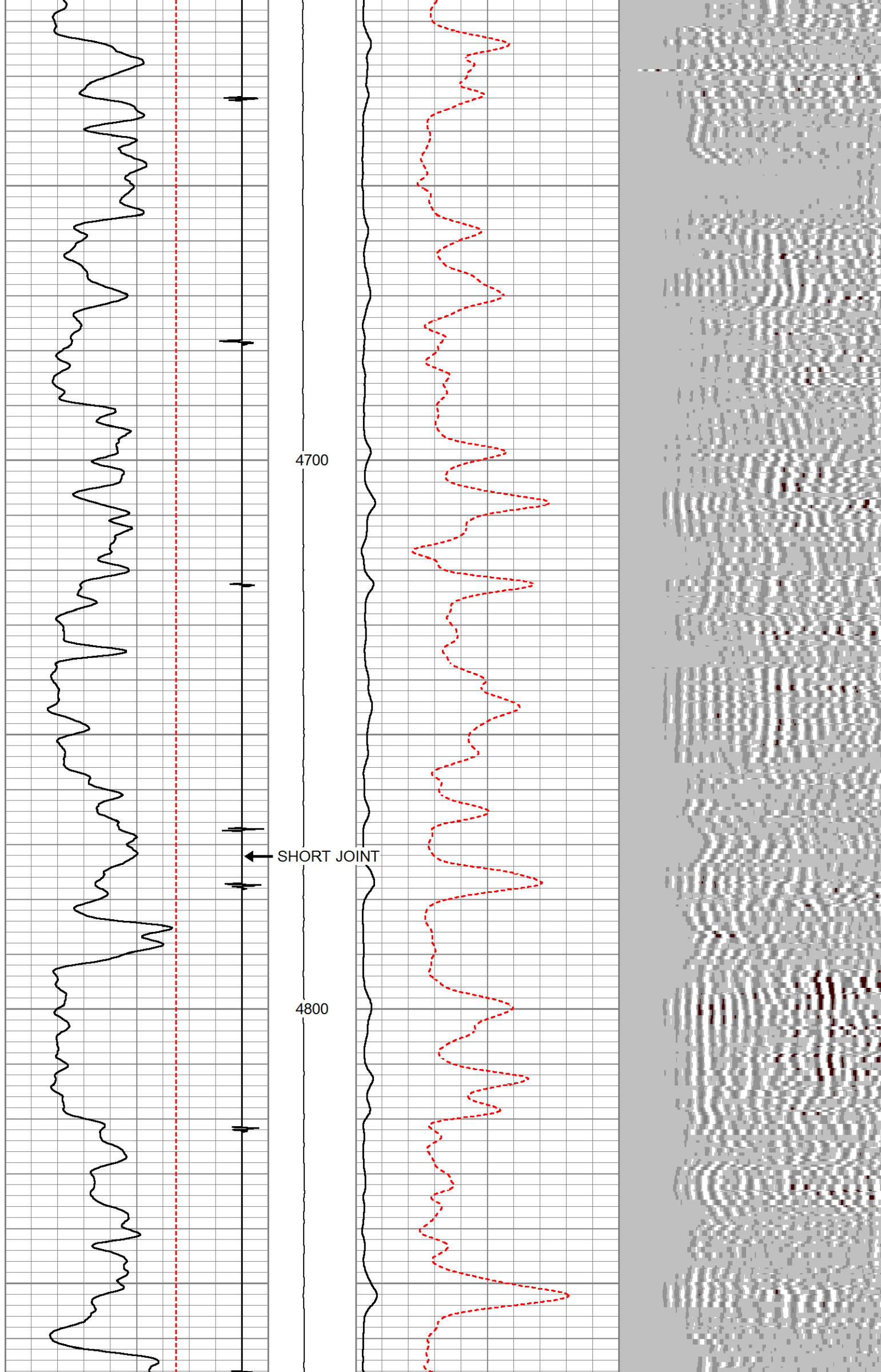


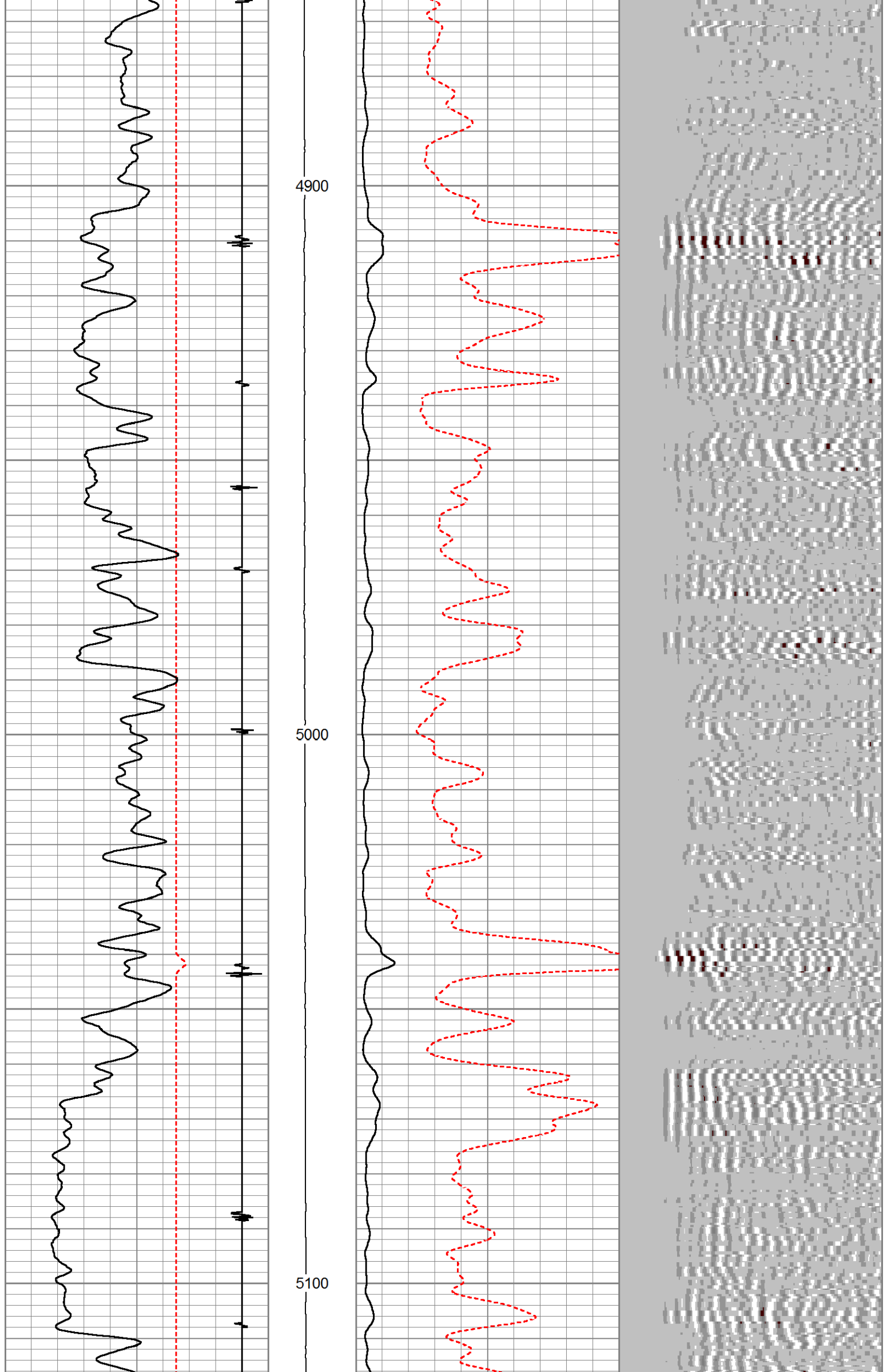


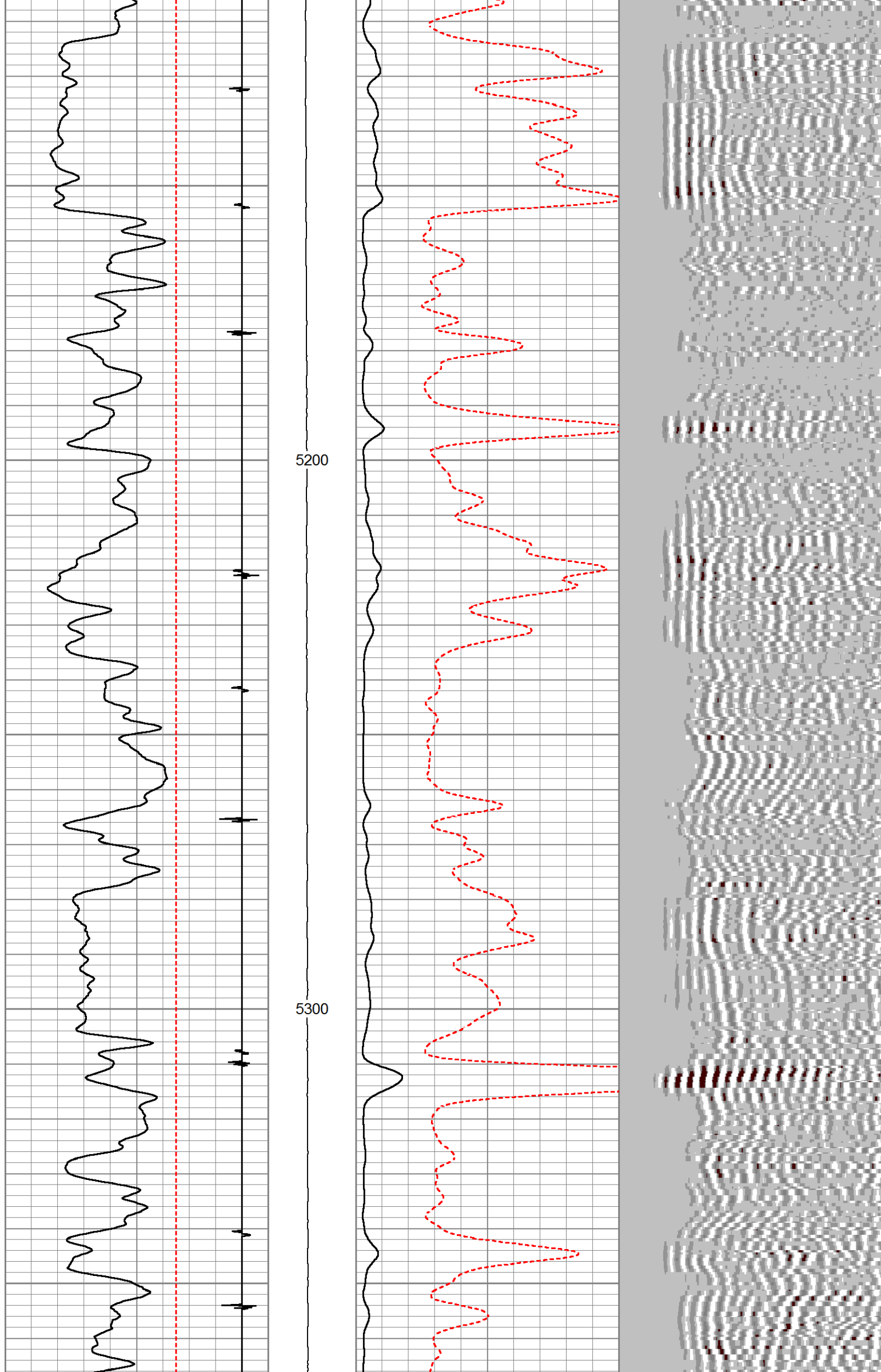


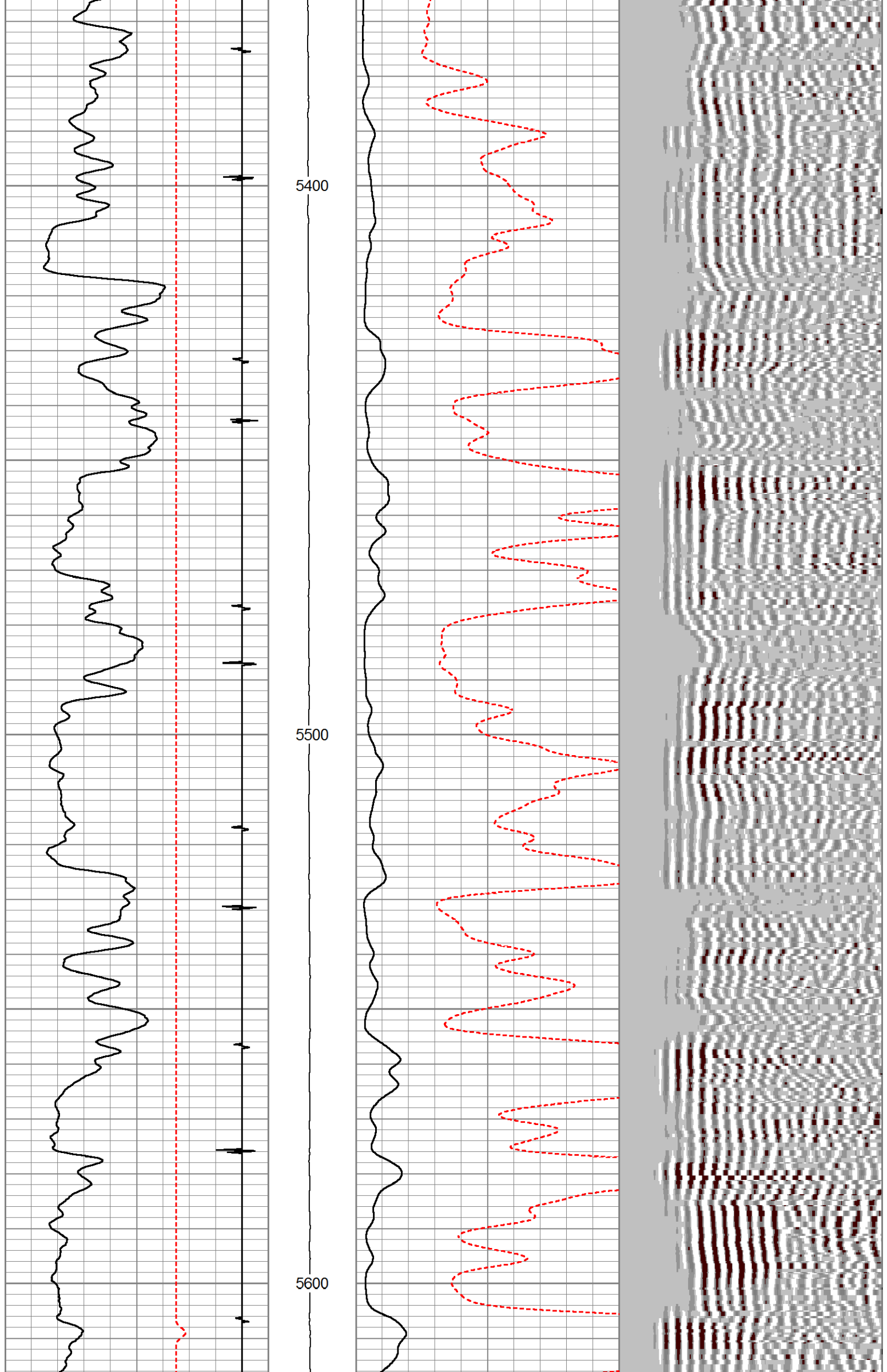


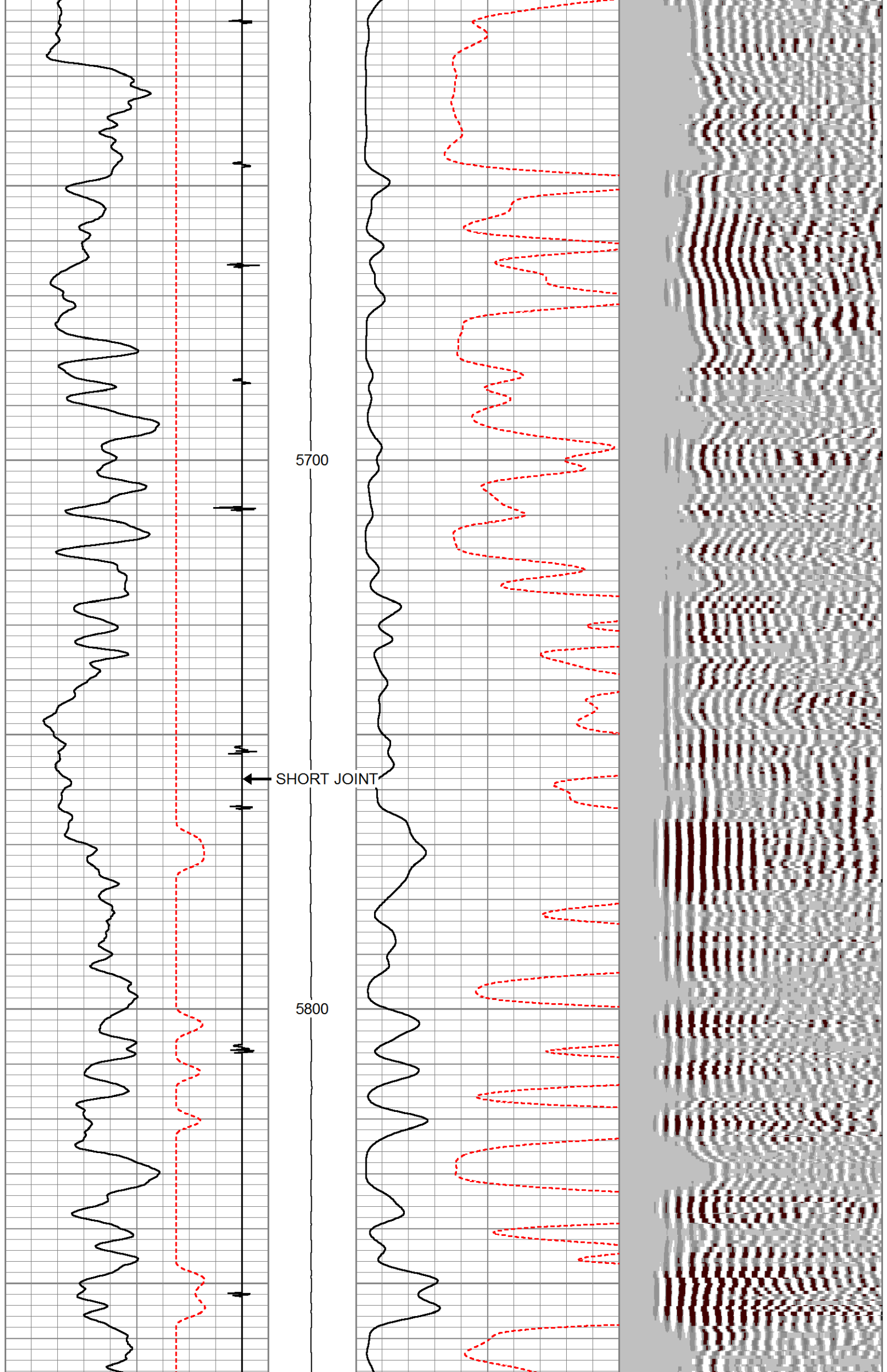


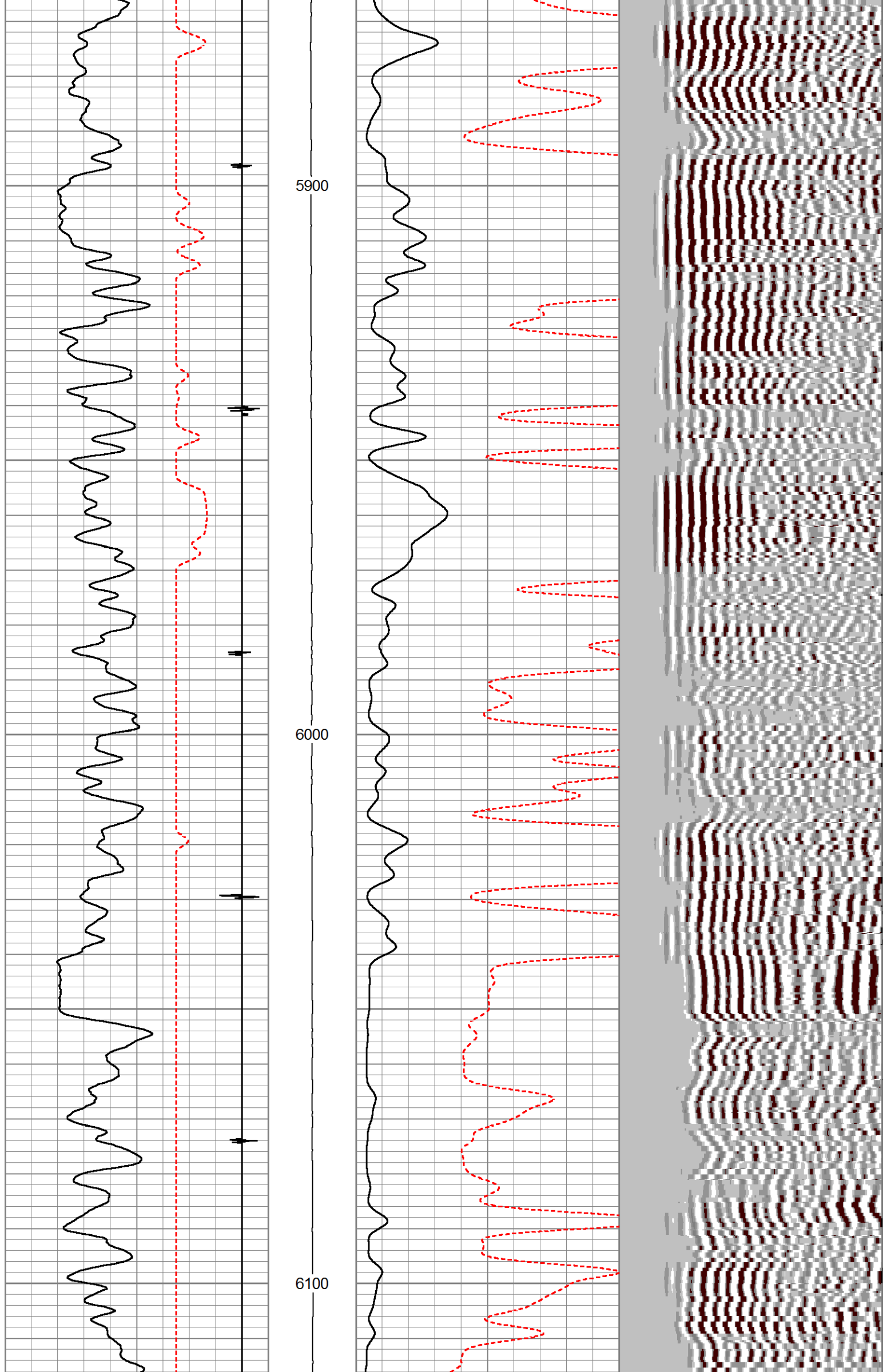


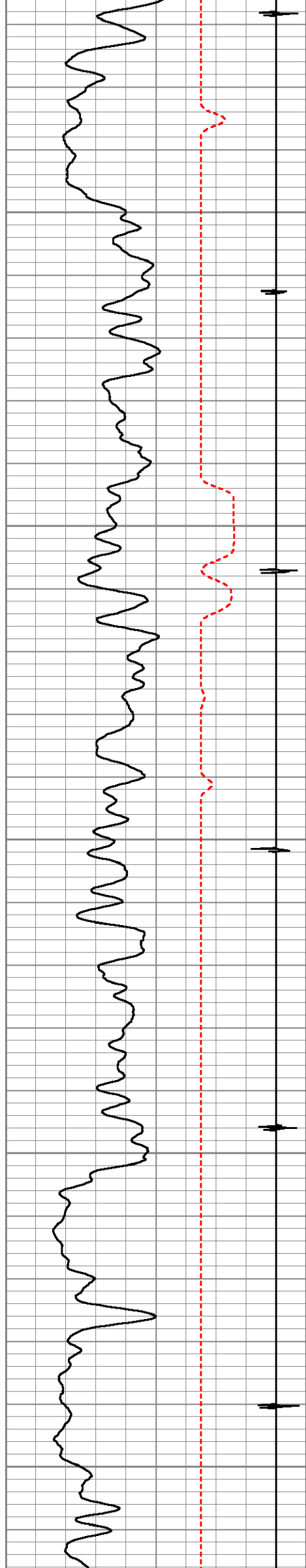






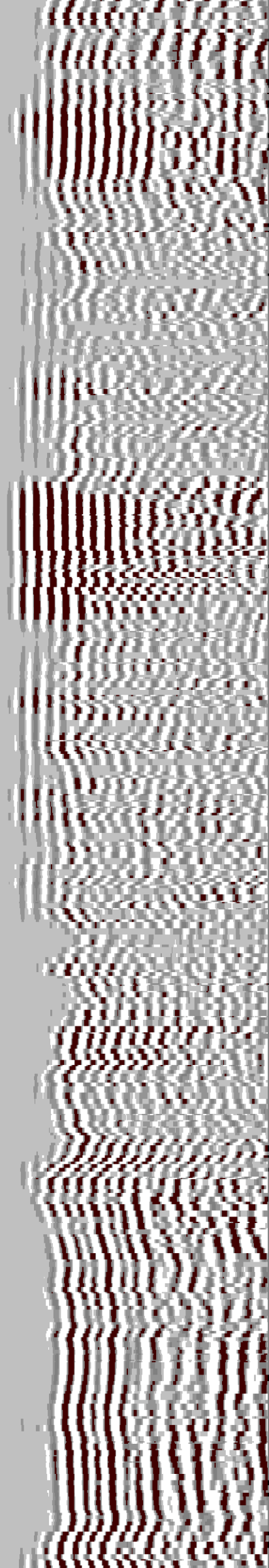
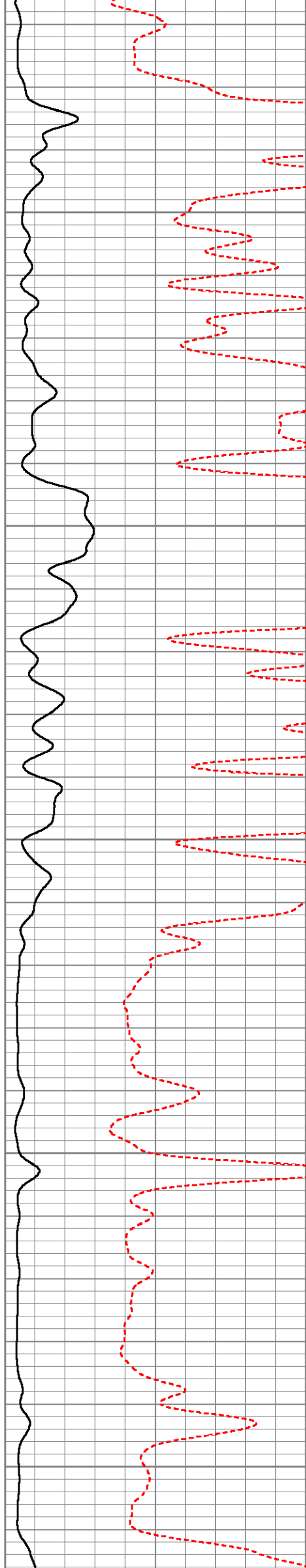


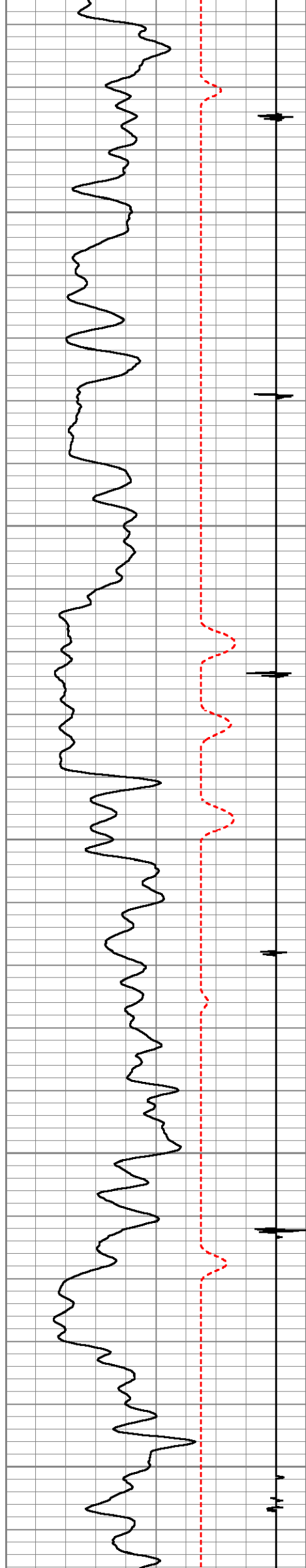




6200

6300

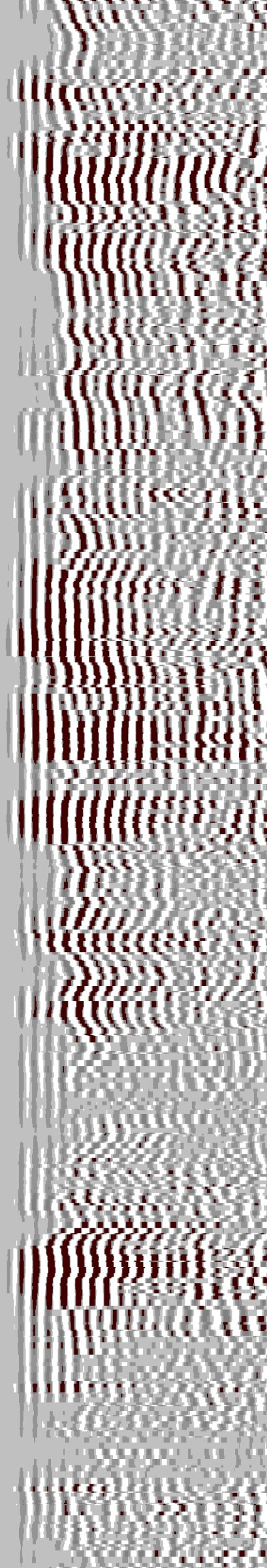
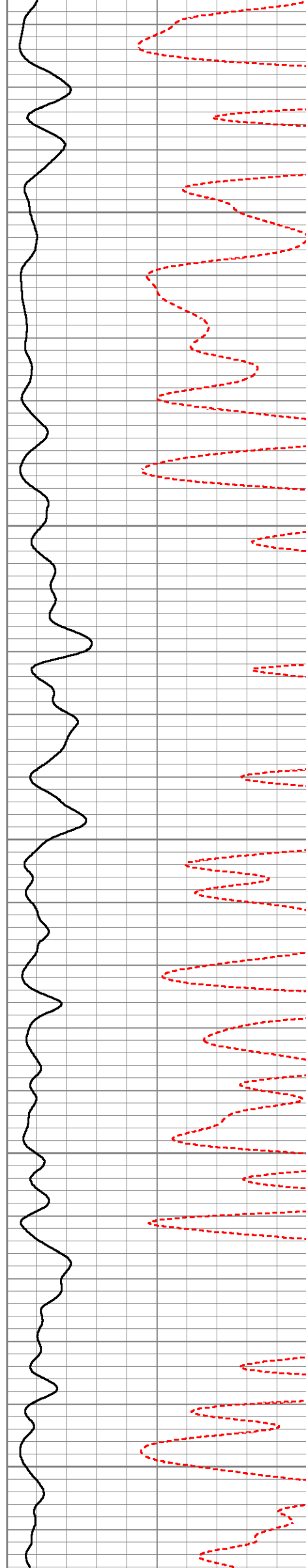


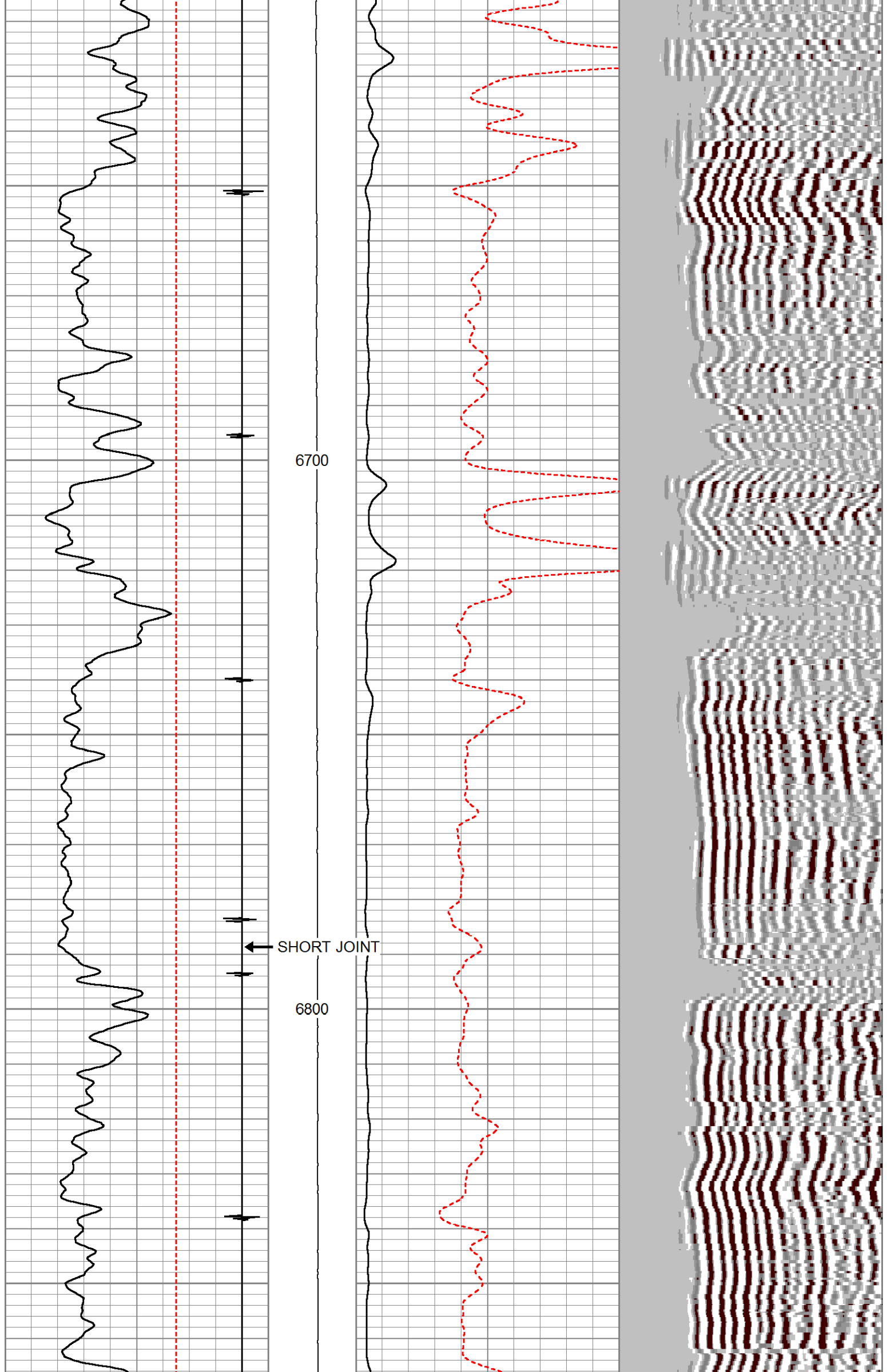


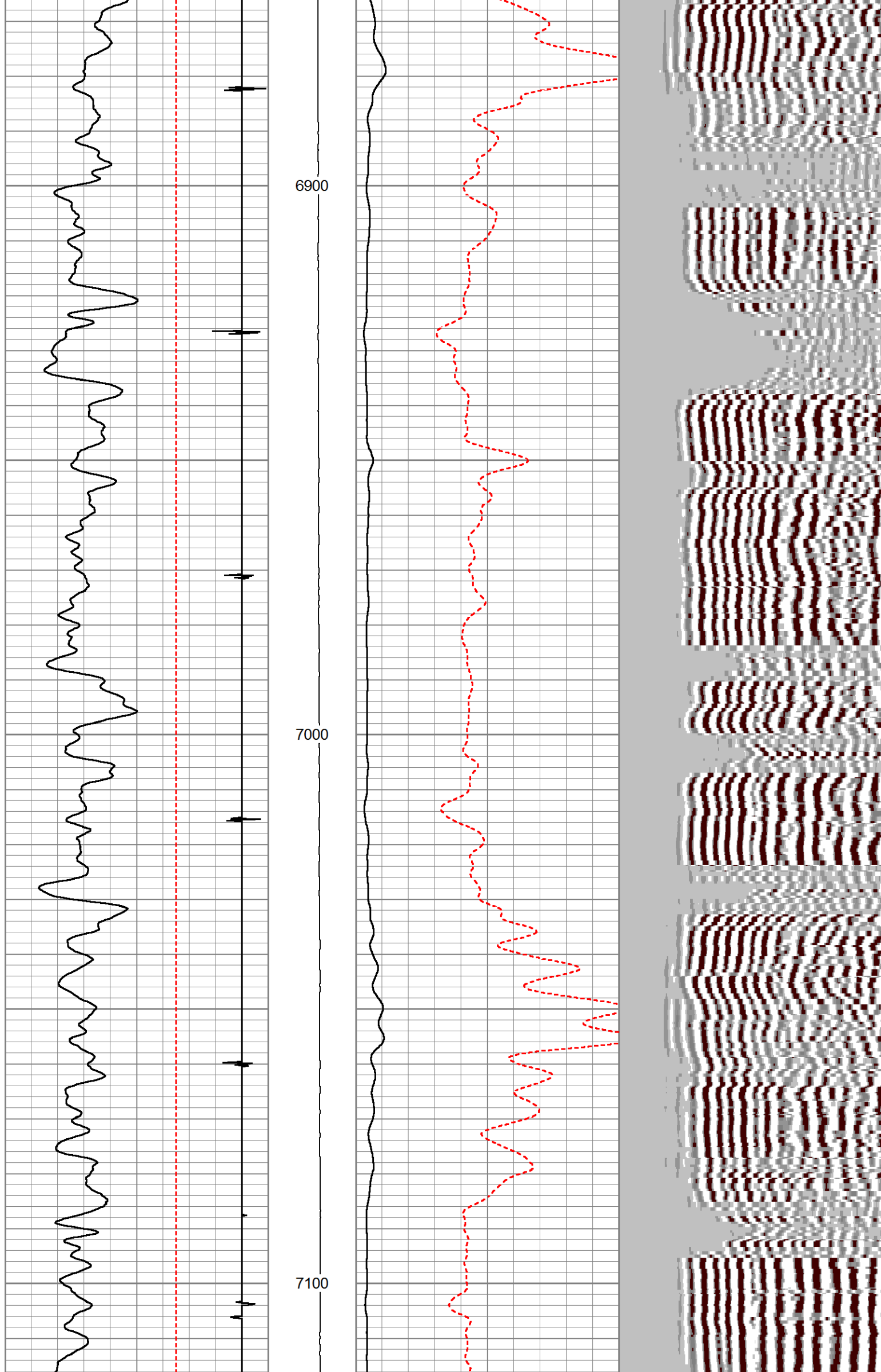
6400

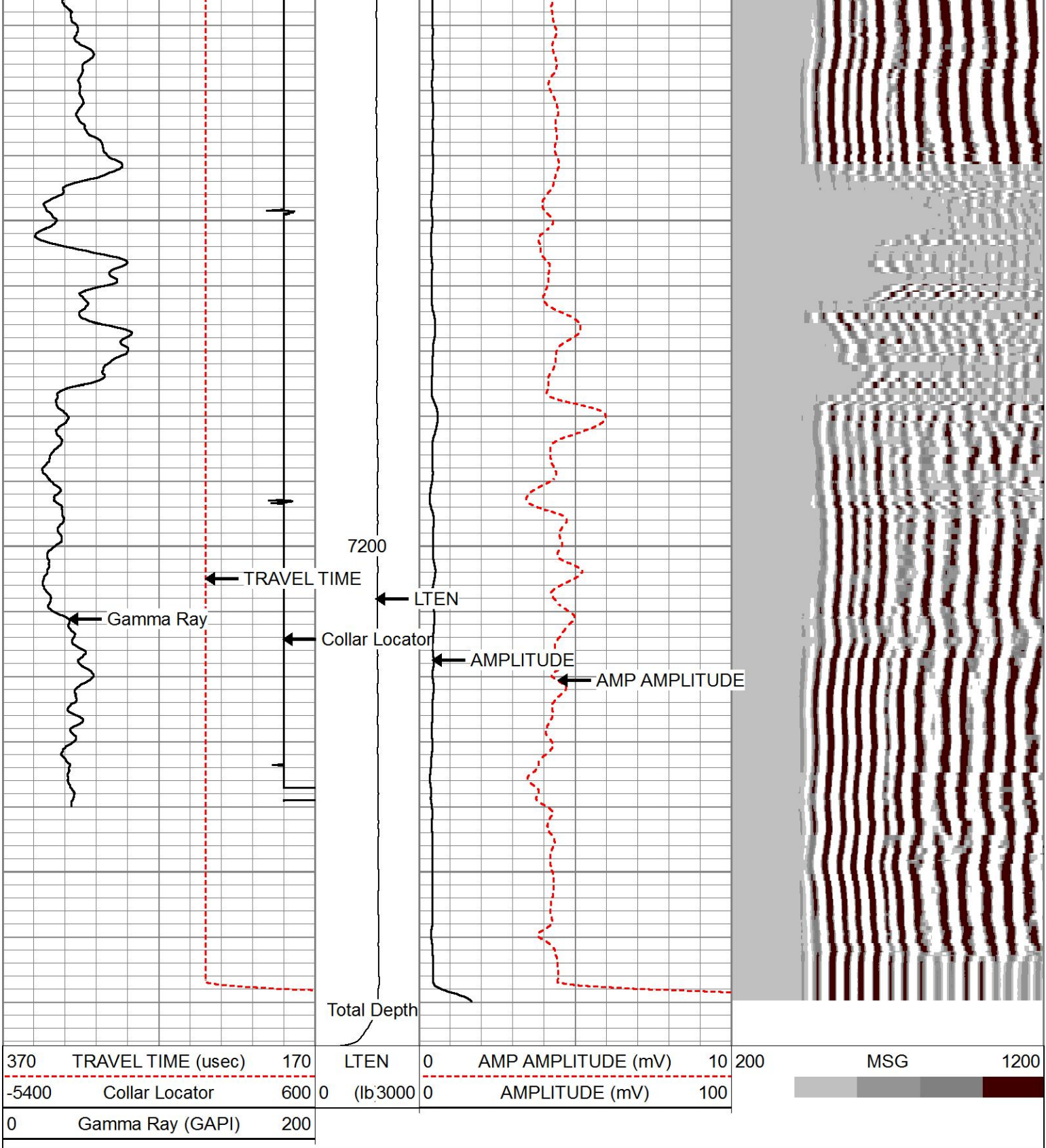
6500

6600









MAIN LOG SECTION

HALLIBURTON

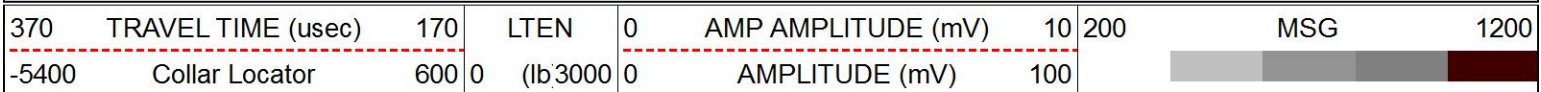
5" = 100'

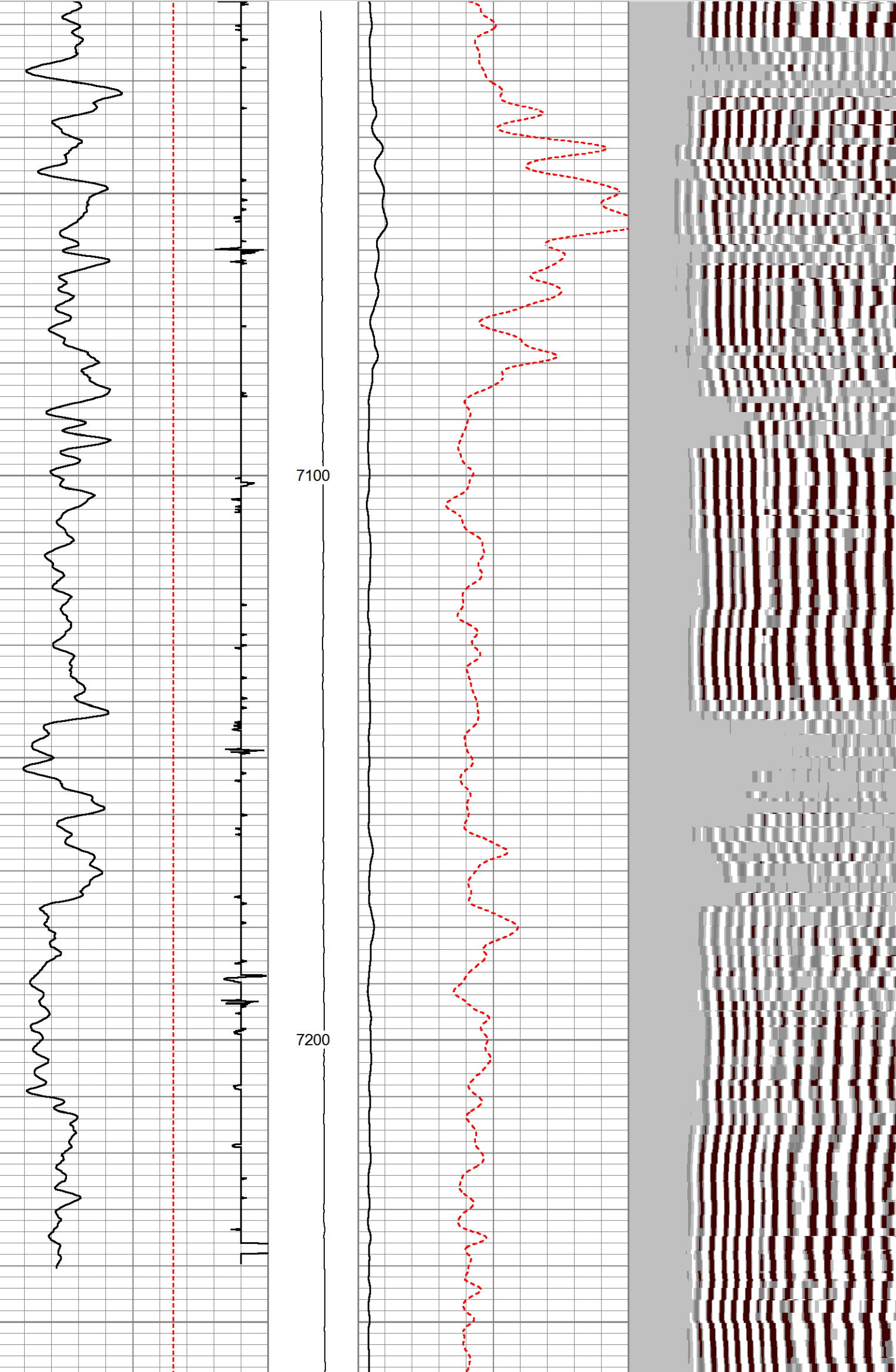
REPEAT LOG SECTION

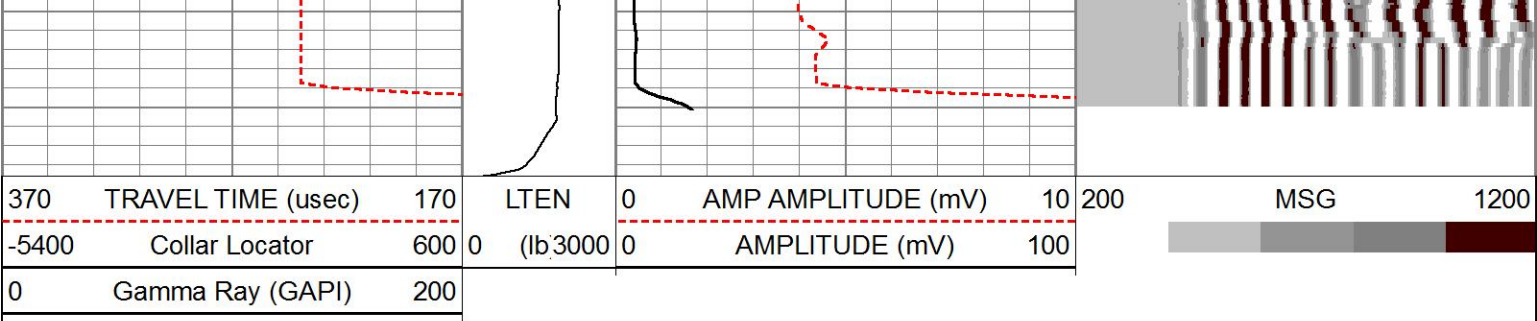
HALLIBURTON

5" = 100'

Database File	watson_b_32c_combo.db
Dataset Pathname	CBLRPT1
Presentation Format	CBL_RB~1
Dataset Creation	Wed Jun 03 03:14:13 2015
Charted by	Depth in Feet scaled 1:240







REPEAT LOG SECTION

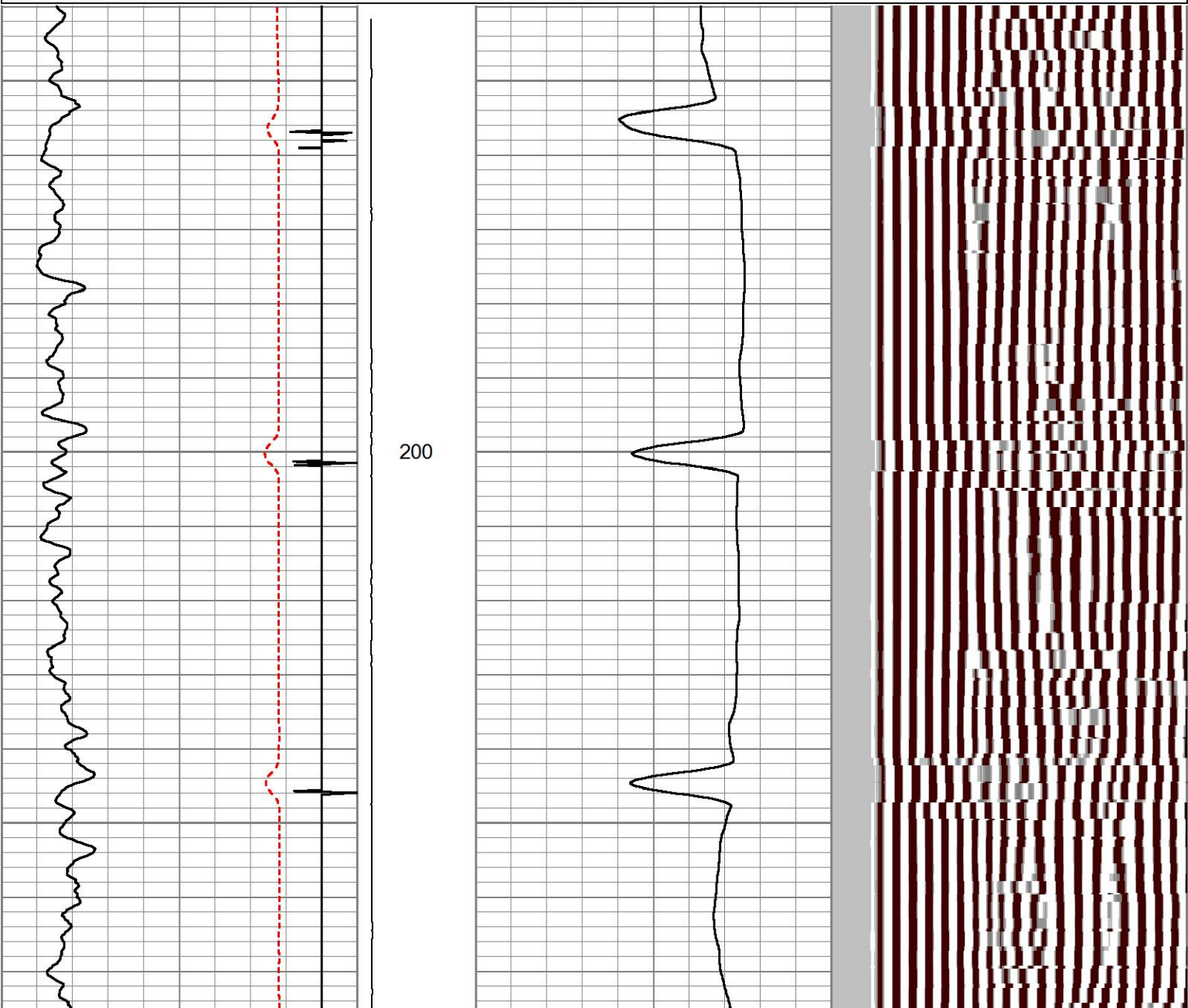
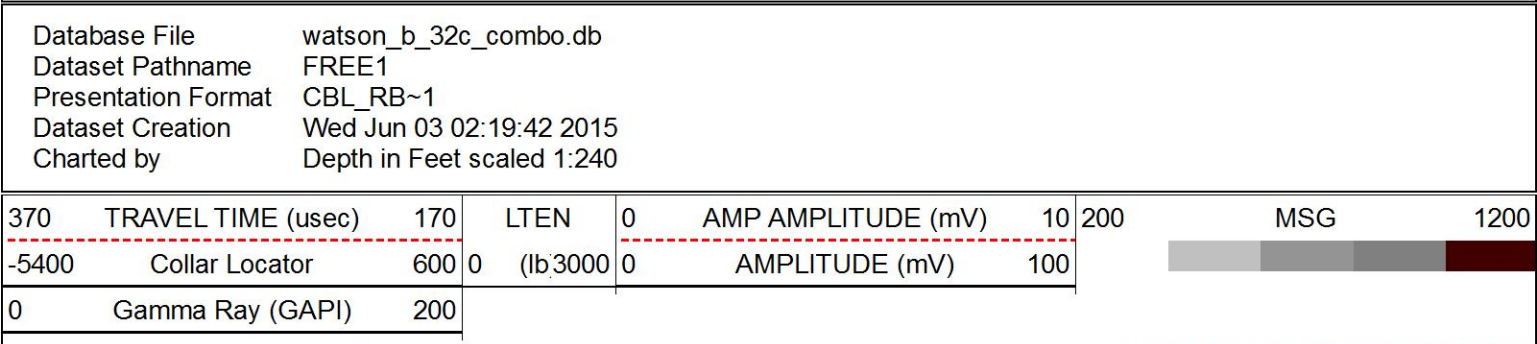
HALLIBURTON

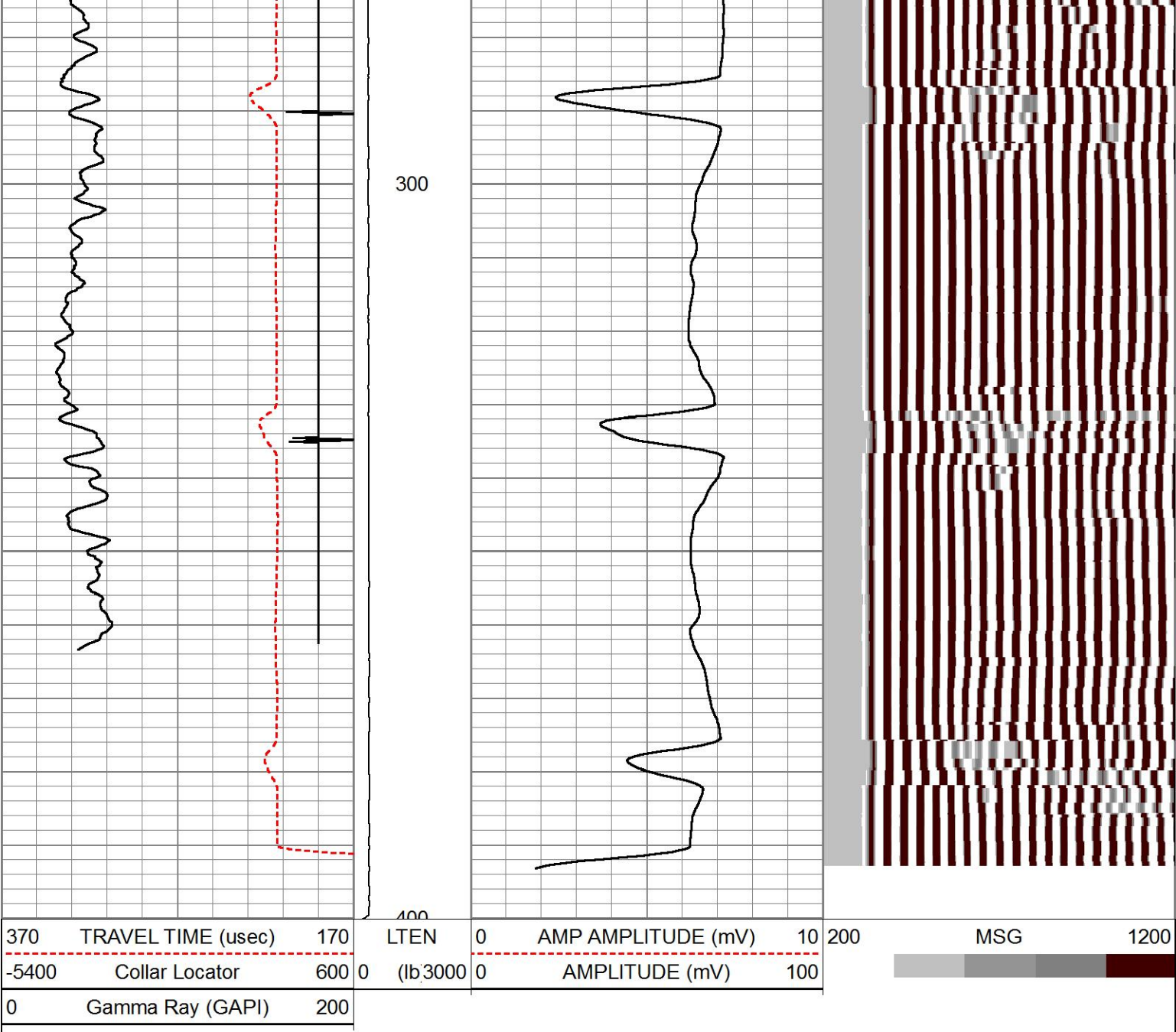
5" = 100'

FREE PIPE LOG SECTION

HALLIBURTON

5" = 100'





HALLIBURTON

FREE PIPE LOG SECTION

Log Variables DatabaseD:\Warrior_data\watson_b_32c_combo.db
Dataset field/well/run1/MAIN1/_vars_

Top - Bottom

BHTEMP_Src	BHSAL2	BHSAL1	POROS2	POROS1	LTH	UHSGC	RHO�F
ITEMPX	0	1	0	1	Sandstone	NONE	0.25
SO in 0	BORSAL kppm 150	CASED? Yes	PPT usec 0	CASEWGHT lb/ft 17	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.8
SRFTEMP degF 0	MudWgt lb/gal 9.5	CASETHCK in 0	CASEOD in 7	PERFS 0	TDEPTH ft 0	BOTTEMP degF 100	BITSIZE in 10

Segmented Cement Bond Log Calibration Report

Serial Number:	11002214
Tool Model:	004
Calibration Casing Diameter:	4.500 in
Calibration Depth:	262.058 ft

Master Calibration, performed Tue Jun 02 22:01:03 2015:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.198	0.803	1.500	81.196	79.674	17.256
5FT	-0.208	0.858	1.500	81.196	74.819	17.029
S1	-0.196	0.981	0.000	100.000	84.942	16.690
S2	-0.199	0.701	0.000	100.000	111.104	22.096
S3	-0.199	0.952	0.000	100.000	86.871	17.273
S4	-0.201	0.798	0.000	100.000	100.075	20.105
S5	-0.198	0.723	0.000	100.000	108.676	21.471
S6	-0.200	0.635	0.000	100.000	119.700	23.957
S7	-0.198	0.619	0.000	100.000	122.466	24.253
S8	-0.199	0.618	0.000	100.000	122.485	24.356

Calibration Report








	Serial Number:	11002214
	Tool Model:	004
	Performed:	
	Reference (degF)	Reading ()
Low:	0.000	0.000
High:	1.000	1.000
	Gain = 1.000	Offset = 0.000

Reservoir Monitor Tool I Calibration Report

Serial-Model:	12095949-A
Shop Calibration Performed:	Wed May 27 10:12:02 2015

Carbon/Oxygen Mode					
Stabilization					
Result	Logged	Expected Value	Diff.	Tol.	Units
GENV	82.00	80.00	2.00	+/-15.00	V
ITCR2	3281	3250	31	+/-250	cps
Near Detector					
	Channel	Expected Value	Amplitude	FWHM	Tol.
H	60	60 +/-2	0.0270	5.32	<6.00
Fe	207	206 +/-2	0.0961	-----	-----
NGAIN = 0.993	NZOFF = 0.7				
Far Detector					
	Channel	Expected Value	Amplitude	FWHM	Tol.
H	60	60 +/-2	0.0360	5.72	<6.50
Fe	209	208 +/-2	0.0918	-----	-----
FGAIN = 0.991	FZOFF = 0.5				
Flask Temperature	63.5 degF				
Result	Logged	Expected Value	Diff.	Tol.	Units

COIR2	0.45	0.45	-0.00	+/-0.02	
LIRI2	1.65	1.64	0.01	+/-0.05	
TCCR2	5061	5000	61	+/-1000	cps
ITCR2	3240	3200	40	+/-250	cps
Sigma Mode					
Stabilization					
Result	Logged	Expected Value	Diff.	Tol.	Units
GENV	82.00	80.00	2.00	+/-15.00	V
FCAP	10080	10000	80	+/-500	cps
Horizontal Water Tank					
Result	Logged	Expected Value	Diff.	Tol.	Units
N/F Normalizer	0.91	0.95	-0.04		
N/F Inel Norm	0.58	0.61	-0.03		
RNF	1.10	1.07	0.03	+/-0.12	
RINC	1.71	1.64	0.07	+/-0.18	
SGFN	24.09	24.00	0.09	+/-0.50	cu
SGFF	22.90	22.85	0.05	+/-0.50	cu
FSIN	24192	24000	192	+/-2000	cps
FCAP	10177	10000	177	+/-1000	cps
NFTR	0.84			<5.00	
FFTR	0.88			<5.00	
NBKG	179			<500	cps
FBKG	93			<500	cps
RTN	0.40	0.40	0.00	+/-0.10	usec
RTF	0.43	0.40	0.03	+/-0.10	usec
Calibration Software Modules					
HRMTI Module	2013.11.14.0				
RMTI Module	2014.8.28.1				
Log Data Acquisition Software Modules					
HRMTI Module	2013.11.14.0				
RMTI Module	2014.8.28.1				
Gamma Ray Calibration Report					
Type / Serial:			002 / 11224503		
SHOP CALIBRATION					
Tue Jun 02 21:41:46 2015					
	Counts/Sec.	Gain	Offset	Jig	Units
Background	36.8				cps
Calibrator	322.4				cps
		1.4287			GAPI/cps
PRIMARY VERIFICATION					
Tue Jun 02 21:44:07 2015					
Background	53.3				cps
Calibrator	467.2				cps
Difference				413.8	GAPI
BEFORE SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI
AFTER SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
CCL	37.31		STNDCH-STND_CH 1.4375 IN CABLE HEAD	1.50	1.44	1.00
GR	35.05		TTTCU-002 (11224503) Through Tubing Telemetry Cartridge - Ultrawire	7.65	1.69	100.00
RmtTFGT RmtTNGT	24.39		XHU-003 (12461939) Crossover Halliburton 1553 to Ultrawire	1.58	1.69	7.00
	23.89		RMTI-A (12095949) Halliburton RMTI Tool	14.00	2.13	77.00
RmtFP5V RmtCommFWa	16.14		X-OVER-SondexxGo Sondex Box x Go Pin Cross Over	0.31	1.69	1.00
	16.14		AUH-001 (11072111) Adaptor Ultrawire/Halliburton	0.38	1.69	3.00
			CENT-Probe_275 Probe 2 3/4 Centralizer	2.88	2.75	20.00
CBLTEMP	8.23		RBT-004 (11002214) Radial Bond Tool (UW 3 1/8) 20K Rated	9.48	3.13	140.00
LLMTEN	0.00		CENT-Probe_275 Probe 2 3/4 Centralizer	2.88	2.75	20.00
			BUL-006 (000002) Bullnose Terminator	0.22	1.69	1.20

Dataset: watson_b_32c_combo.db: field/well/run1/MAIN1

Total length: 40.88 ft

Total weight: 370.20 lb

O.D.: 3.13 in

Company	URSA OPERATING CO., LLC.		
Well	WATSON RANCH B 32C-17-07-95		
Field	PARACHUTE		
County	GARFIELD	State	CO
HALLIBURTON		ACOUSTIC CEMENT BOND LOG	