

Company URSA OPERATING CO., LLC.
 Well WATSON RANCH B 32D-17-07-95
 Field PARACHUTE
 County GARFIELD State CO

Company URSA OPERATING CO., LLC.
 Well WATSON RANCH B 32D-17-07-95
 Field PARACHUTE
 County GARFIELD State CO

API No.: 05-045-22804-0000 Serv. #: 902453651
 Location: SURFACE HOLE LOCATION:
 1069' FSL & 1965' FWL
 BOTTOM HOLE LOCATION:
 2538' FNL & 1971' FEL

Sec: 17 Twp: 07S Rge: 95W
 GROUND LEVEL Elevation 5585'
 KB, 17 Ft. above perm. datum
 KB
 Elevation
 K.B. 5602'
 D.F. 5601'
 G.L. 5585'

Other Services
 GAUGE RING
 RMT

| | | | | | | | |
|----------------------------------|-----------|------------------------|------------------|--------------------------|--------|------------|-------|
| Permanent Datum | | GROUND LEVEL | | Elevation 5585' | | WATER | |
| Log Measured From | | KB | | 17 Ft. above perm. datum | | K.B. 5602' | |
| Drilling Measured From | | KB | | | | D.F. 5601' | |
| Date @ Time Logged | | 02 JUNE 2015 | | | | G.L. 5585' | |
| Run No. | ONE | Type Fluid in Hole | Density of Fluid | 8.4# | | | |
| Depth - Driller | 7418' | Fluid Level | FULL | | | | |
| Depth - Logger | 7213' | Cement Top Est. Logged | SEE LOG | | | | |
| Bottom - Logged Interval | 7213' | Equipment / Location | 1097/1668 / 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 | Liner | | |
| Primary / Squeeze | | String | String | String | N/A | | |
| Date / Time Cemented | | N/A | String | String | N/A | | |
| Expected Compressive Strength | | psi@ | hrs | psi@ | hrs | psi@ | hrs |
| Cement Volume | | psi@ | hrs | psi@ | hrs | psi@ | hrs |
| 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' | 7418' | 4.5" | 11.6# | SURFACE | 7418' |

<<< Fold Here >>>

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

Comments

HES CBL LOG DATED: 02 JUNE 2015 IS THE PRIMARY DEPTH REFERENCE FOR THIS WELL.

GR-RMT-CBL RAN IN COMBINATION.

LOG INTERVALS PER CUSTOMER REQUEST.

SHORT JOINTS @: 4538' - 4548', 5659' - 5669', AND 6734' - 6744'.

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES.

Service Ticket No. 902453651 API No. 05-045-22804-0000 PGM Ver 14.11.12001

The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client

EQUIPMENT DATA

| TELEMETRY | | CEMENT BOND TOOL | | RESERVOIR MONITOR TOOL | | | |
|------------|------------|------------------|----------|------------------------|----------|------------|--|
| Run No. | ONE | Run No. | ONE | Run No. | ONE | Run No. | |
| Serial No. | 11224503 | Serial No. | 11002214 | Serial No. | 12095949 | Serial No. | |
| Model No. | TTTC-U-002 | Model No. | RBT-004 | Model No. | RMTI-A | Model No. | |
| Diameter | 1.688" | Diameter | 3.125" | Diameter | 2.125" | Diameter | |

LOGGING DATA

General Data

| | | | | | | | |
|------|--------|----|-----------|--------|----------------------|--|--|
| Pass | Depths | | Well Head | Speed | Logging Run Comments | | |
| No | From | To | Pressure | Ft/Min | | | |

| | | | | | | | | |
|-------------------------|-----------|--------|-------------|-----|------------------|-----|-------|------|
| ONE | 7213' | 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 | | | |

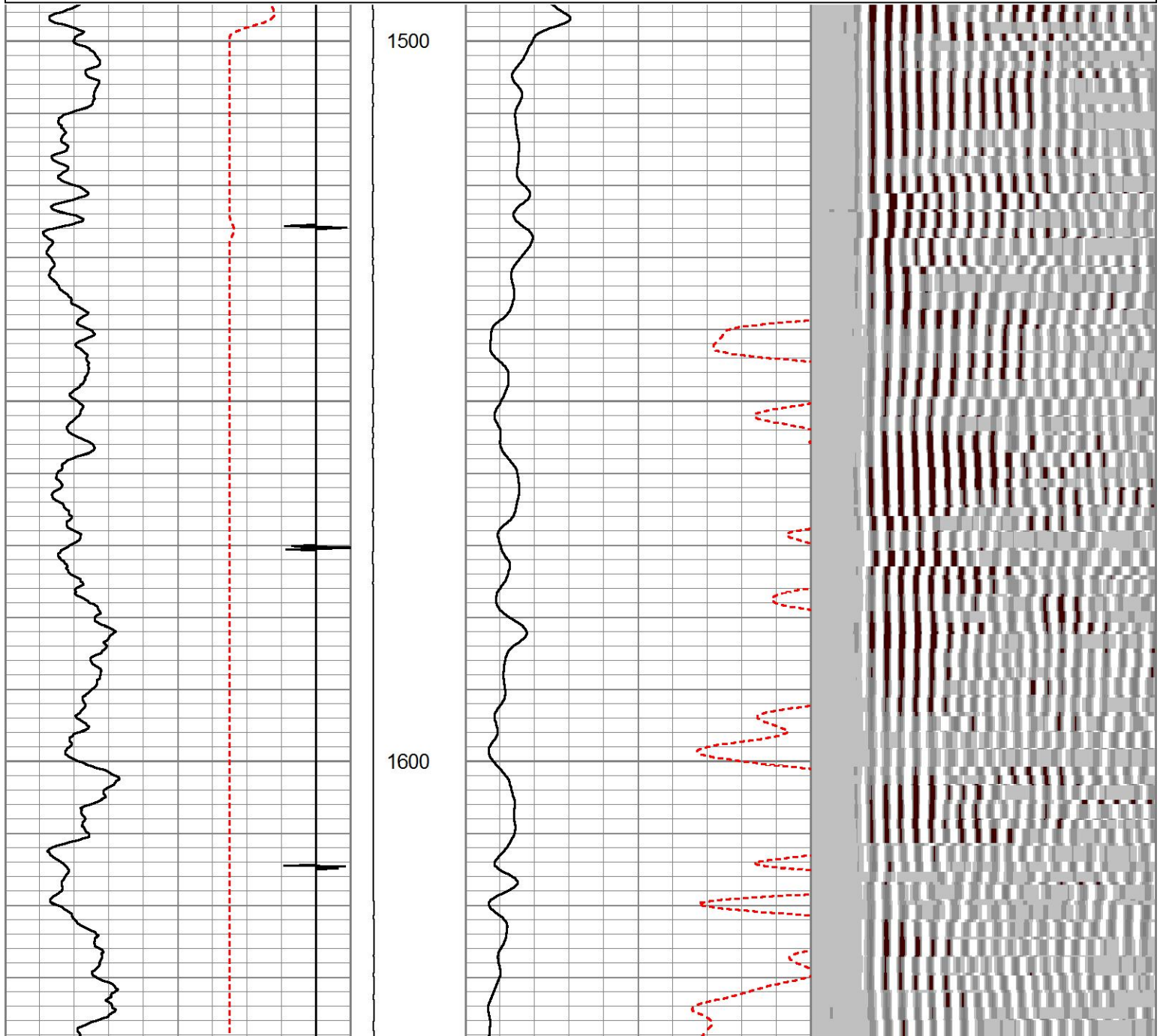
MAIN LOG SECTION

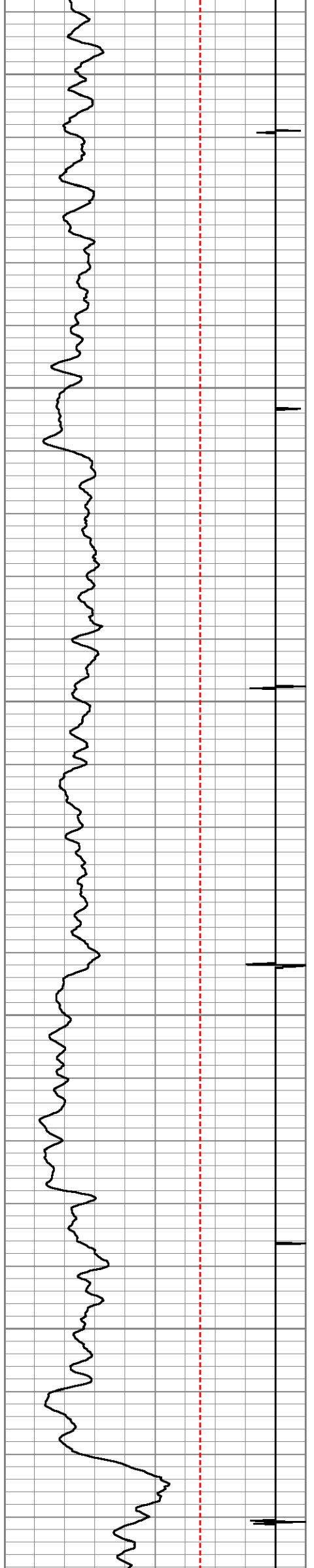
HALLIBURTON

5" = 100'

Database File watson_b_32d_combo.db
 Dataset Pathname MAIN1
 Presentation Format CBL_RB~1
 Dataset Creation Tue Jun 02 23:04:50 2015
 Charted by Depth in Feet scaled 1:240

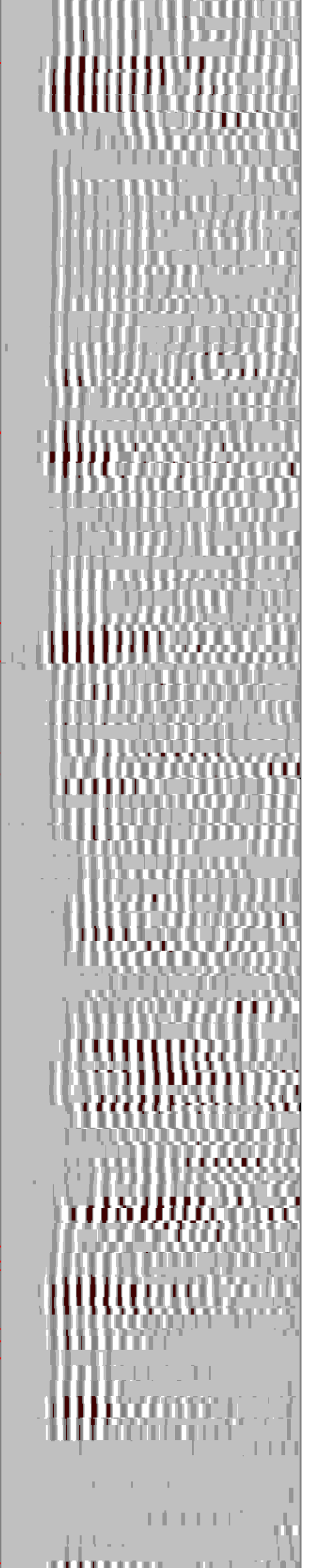
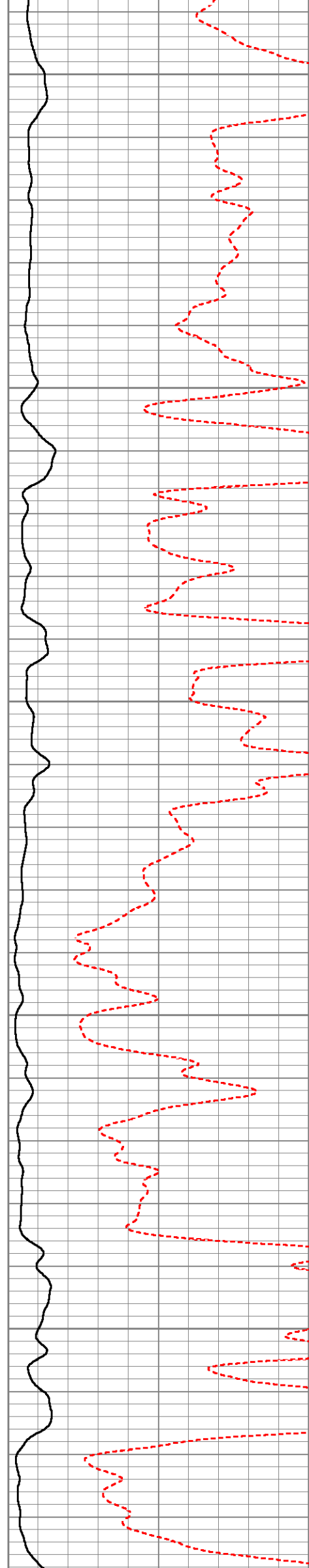
| | | | | | | | | | |
|-------|--------------------|-----|------|----------|--------------------|----------------|-----|-----|------|
| 370 | TRAVEL TIME (usec) | 170 | LTEN | 0 | AMP AMPLITUDE (mV) | 10 | 200 | MSG | 1200 |
| -5400 | Collar Locator | 600 | 0 | (lb)3000 | 0 | AMPLITUDE (mV) | 100 | | |
| 0 | Gamma Ray (GAPI) | 200 | | | | | | | |

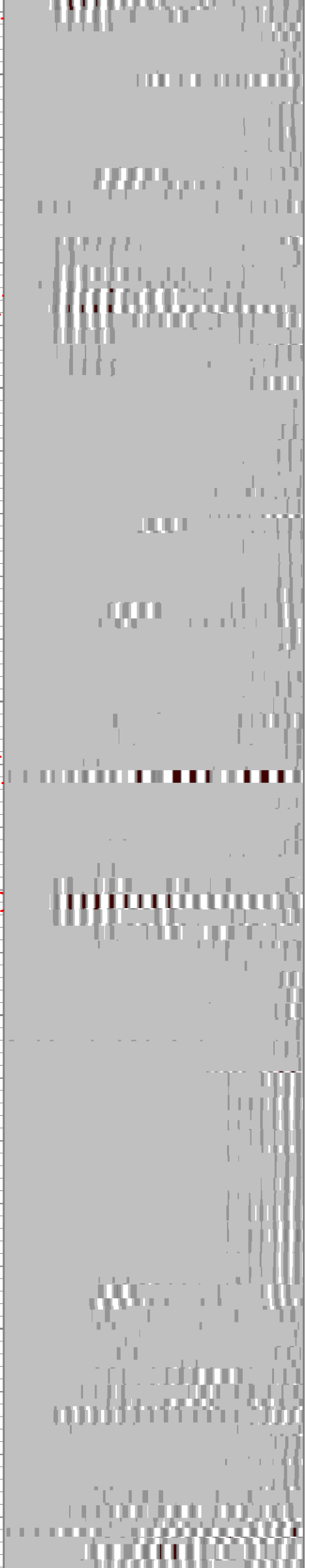
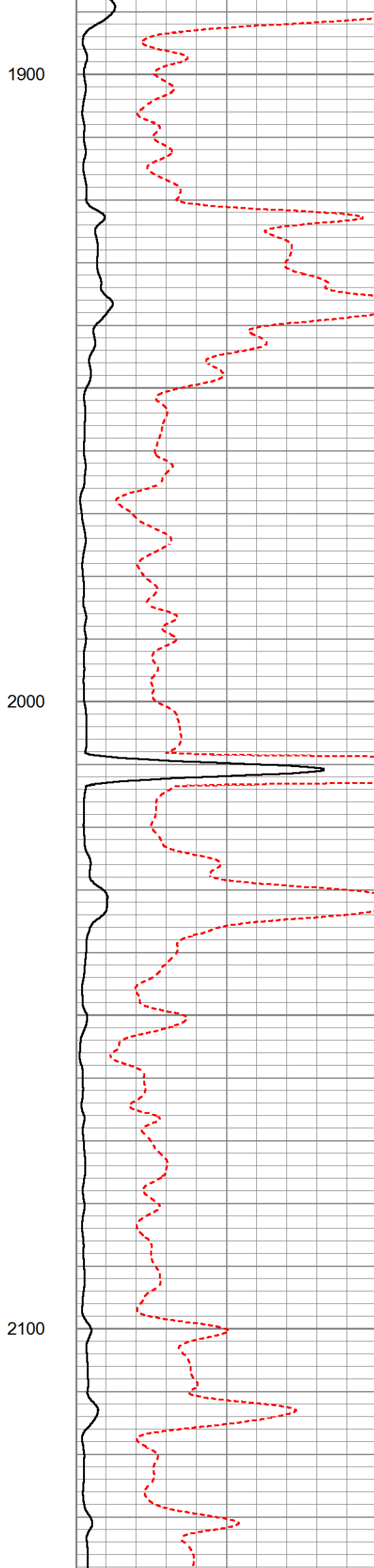
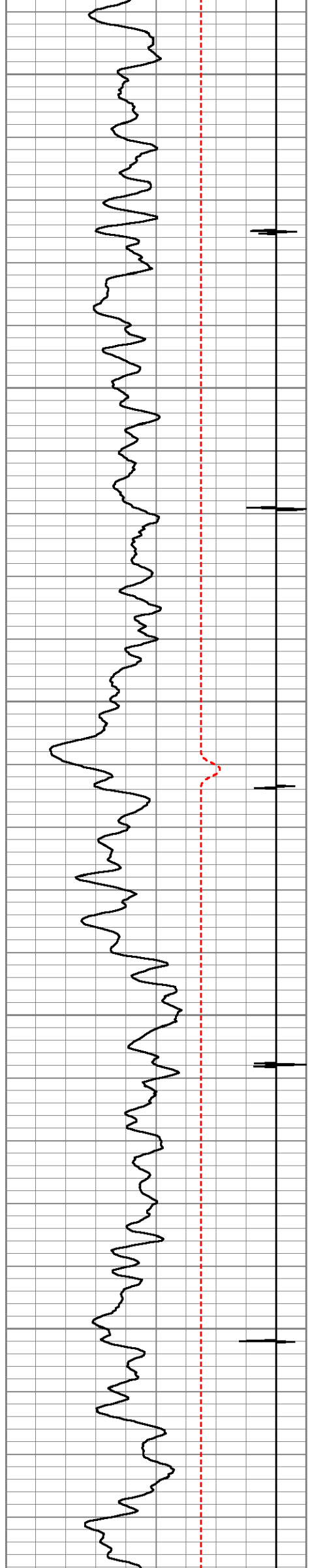


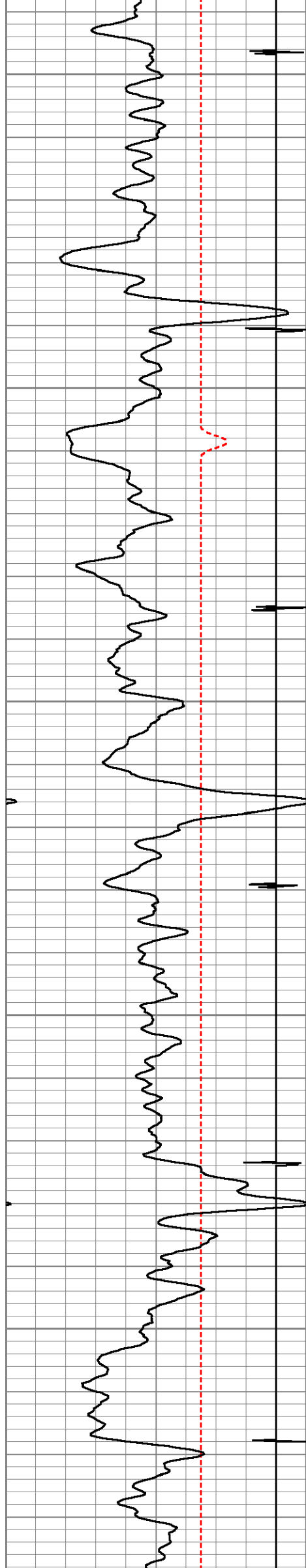


1700

1800

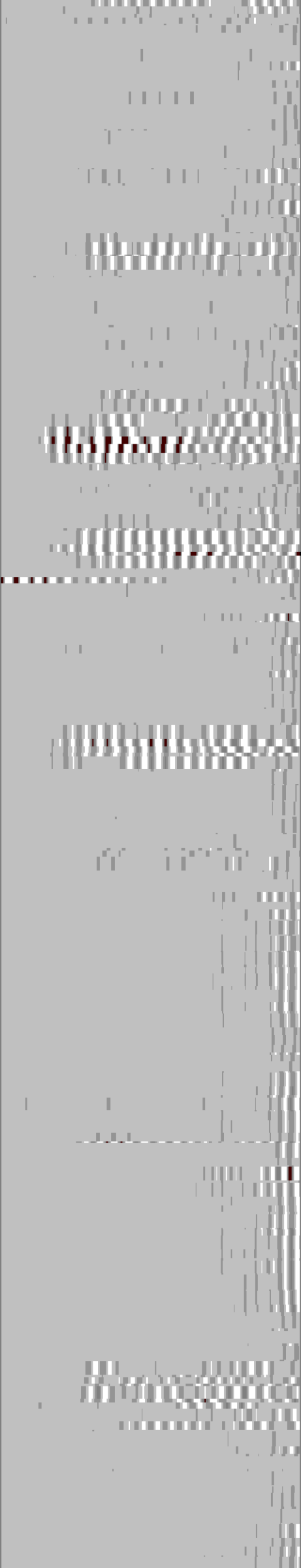
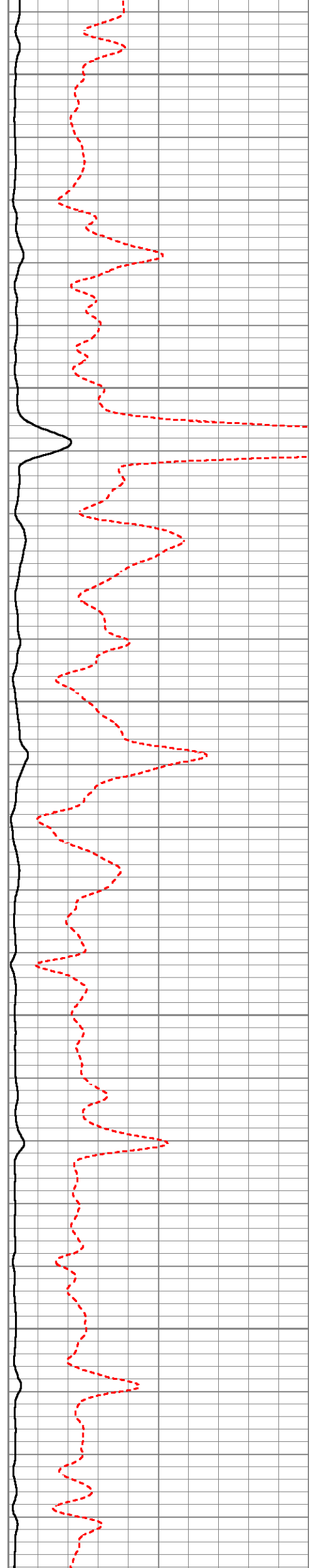


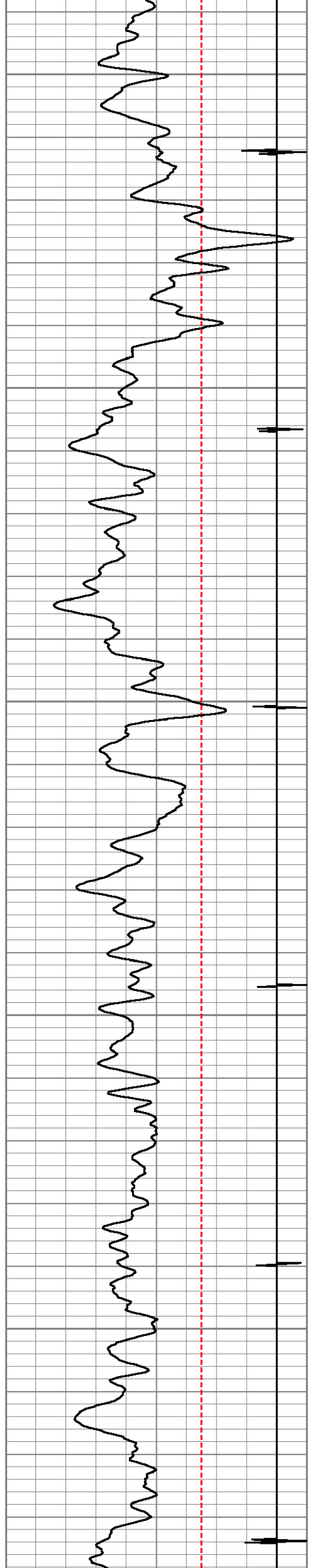




2200

2300

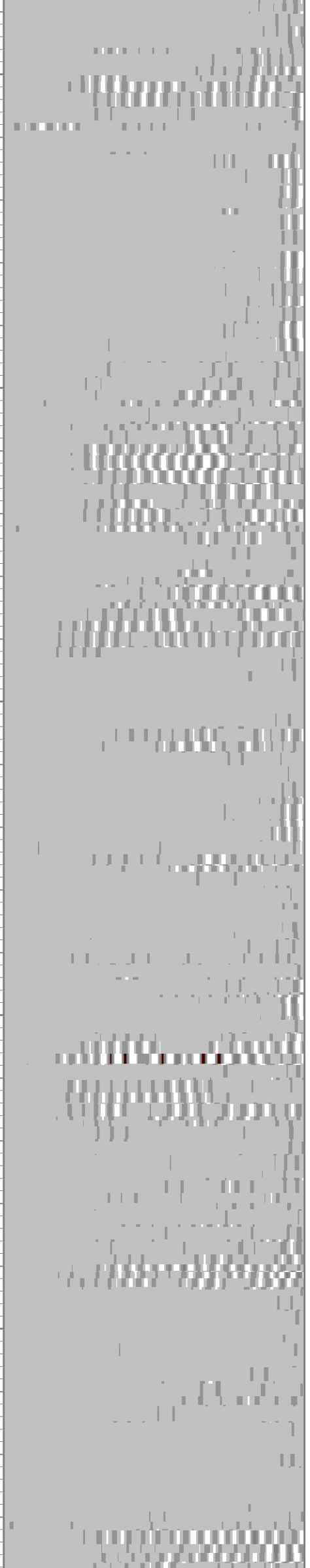


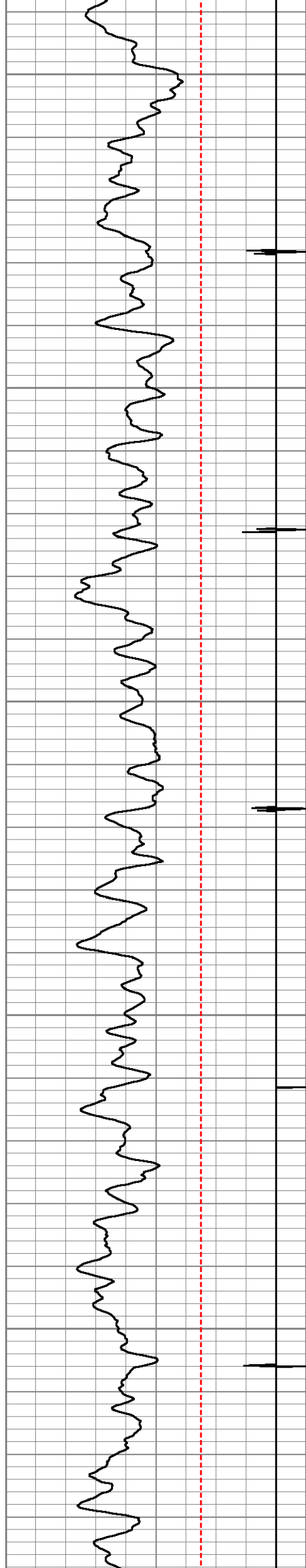


2400

2500

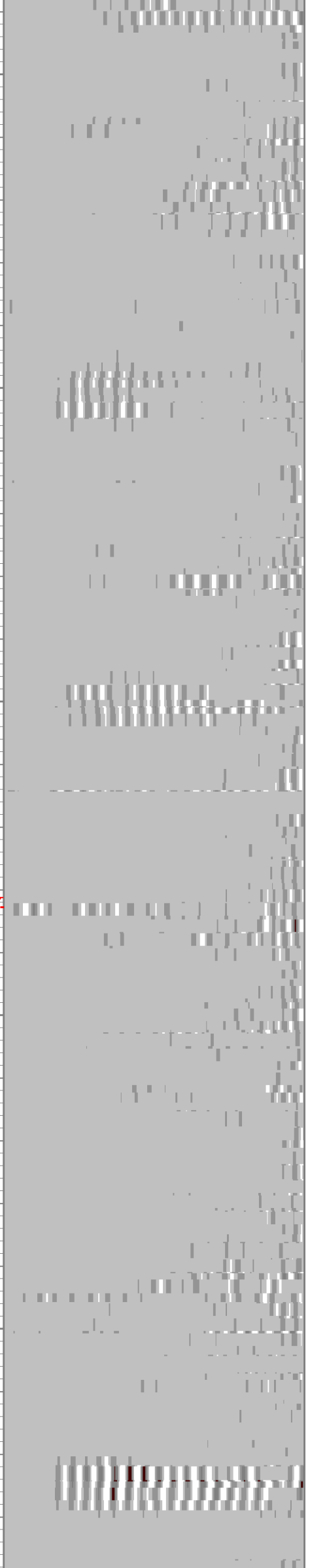
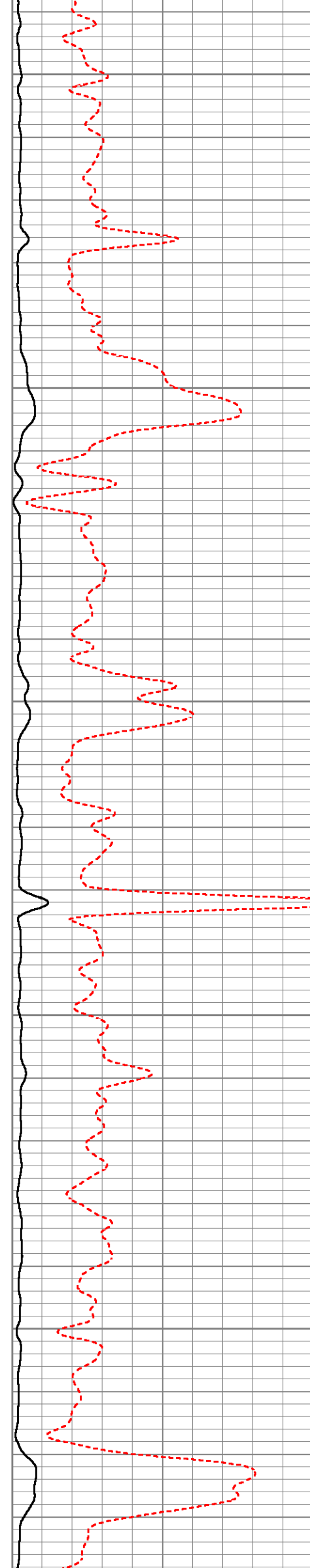
2600

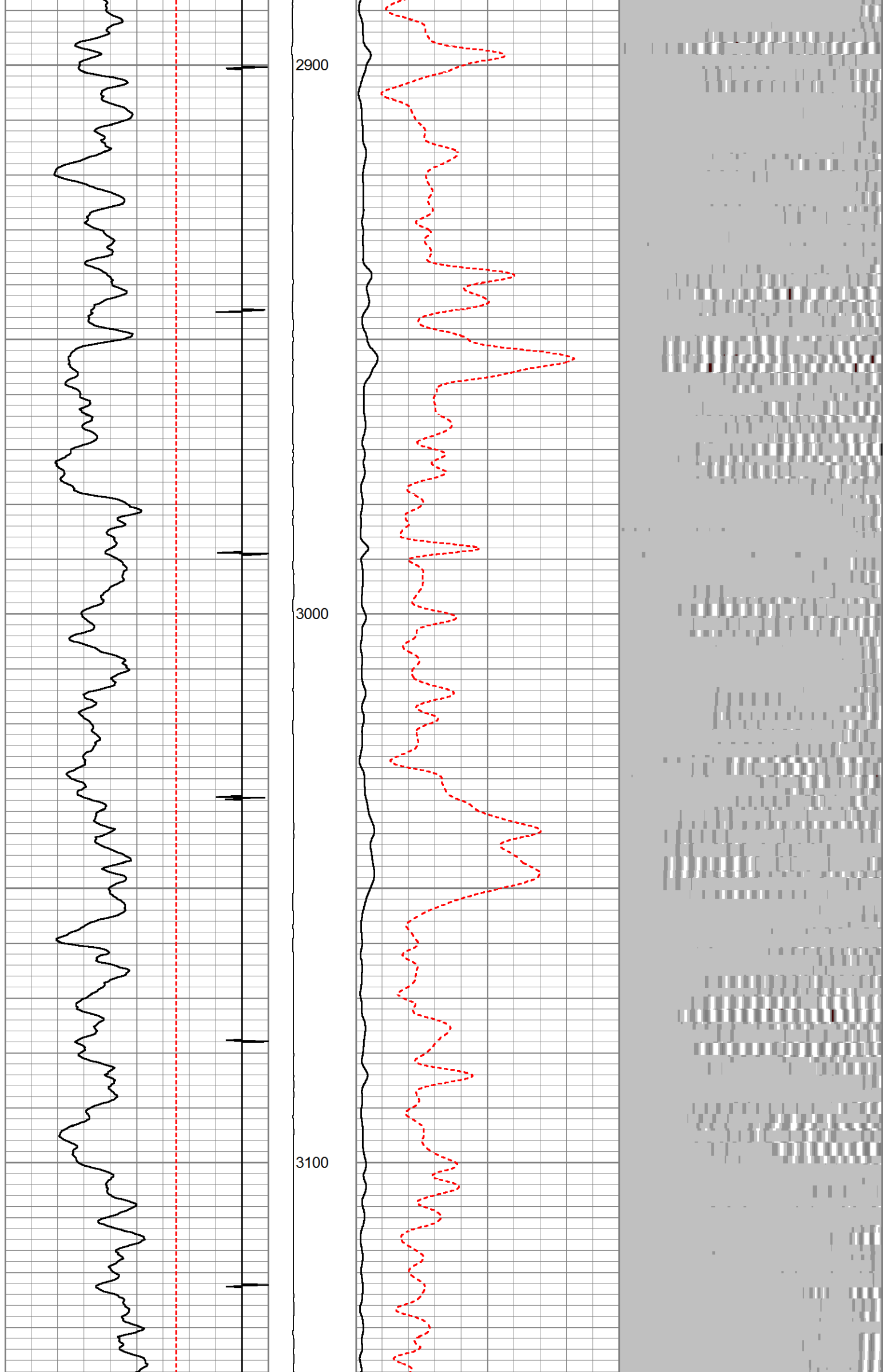


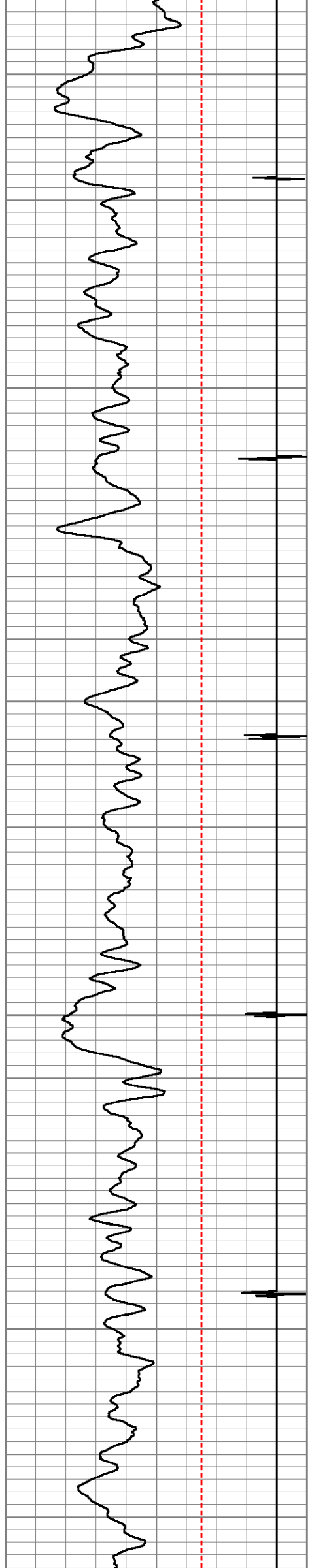


2700

2800

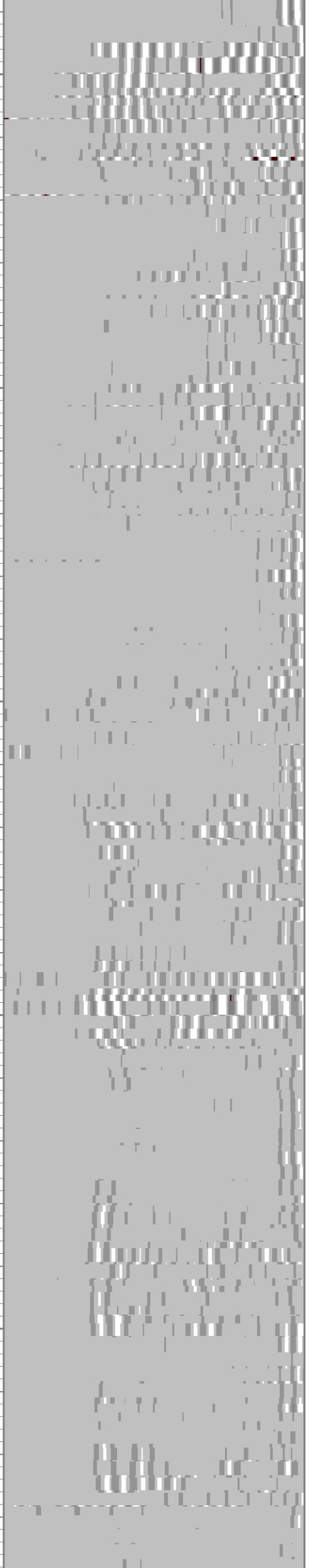
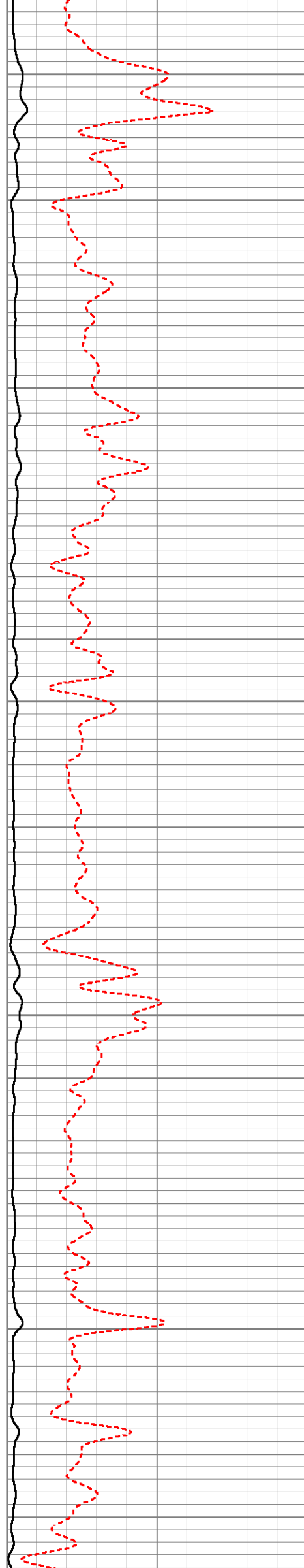


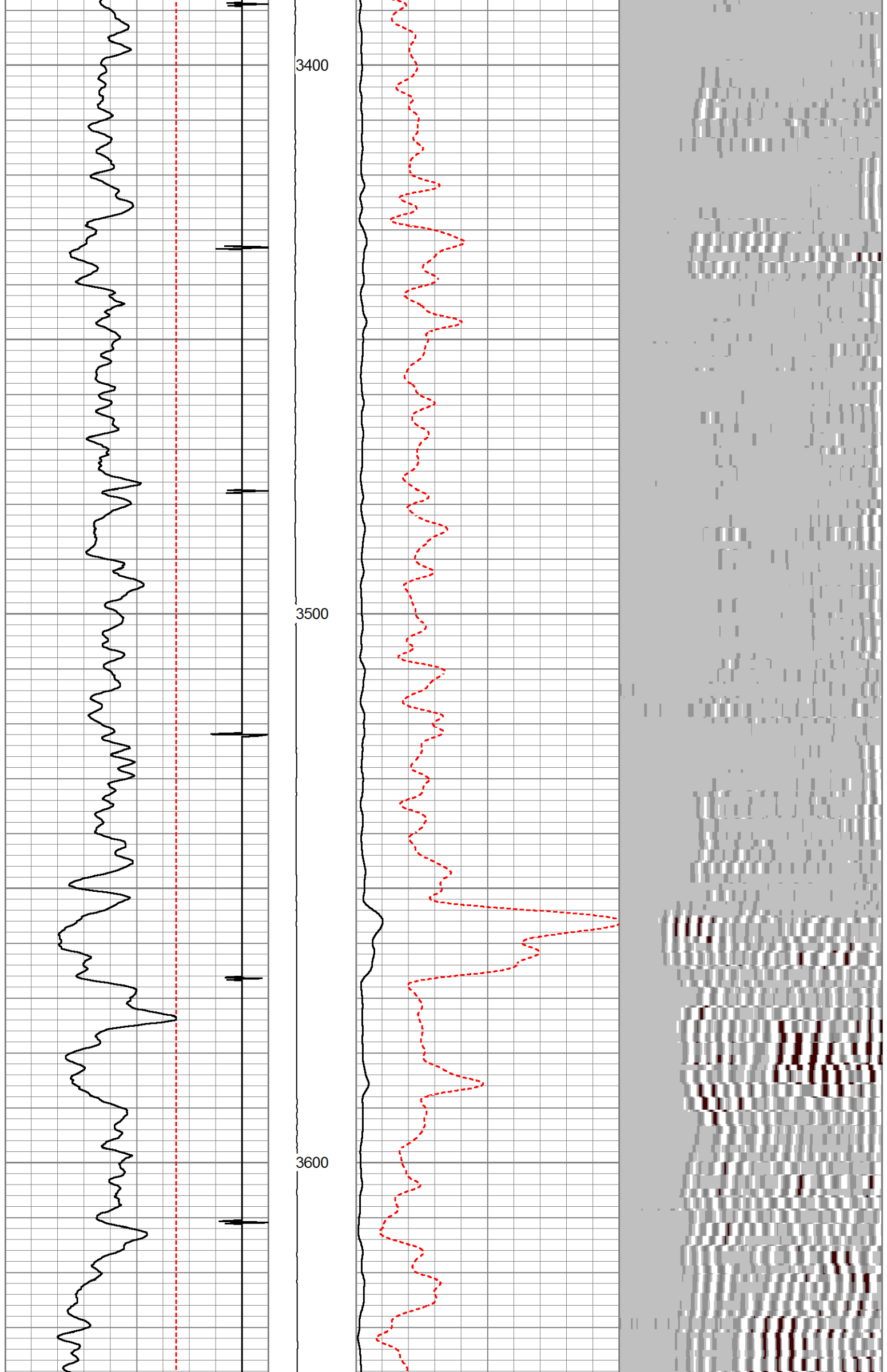


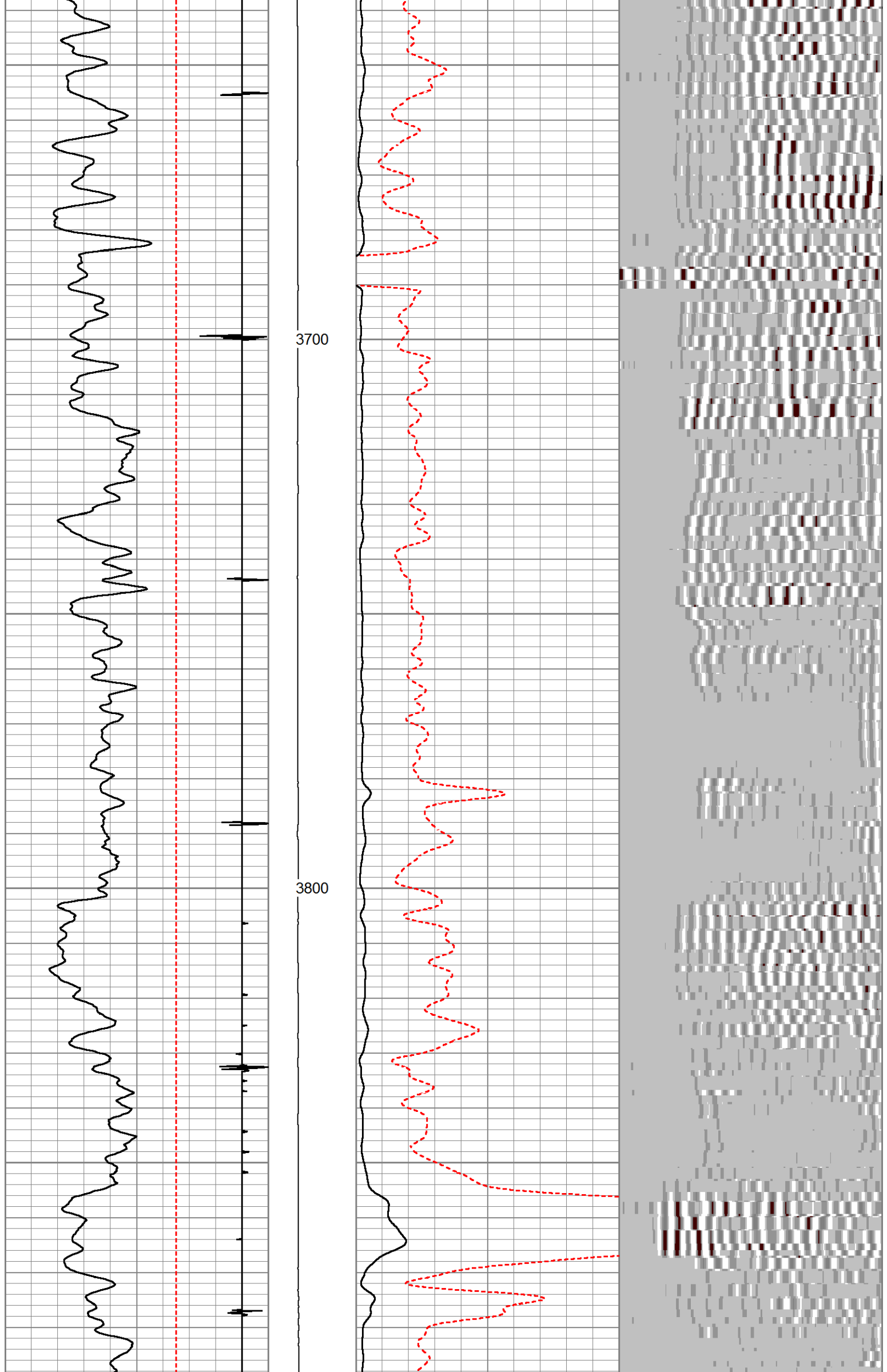


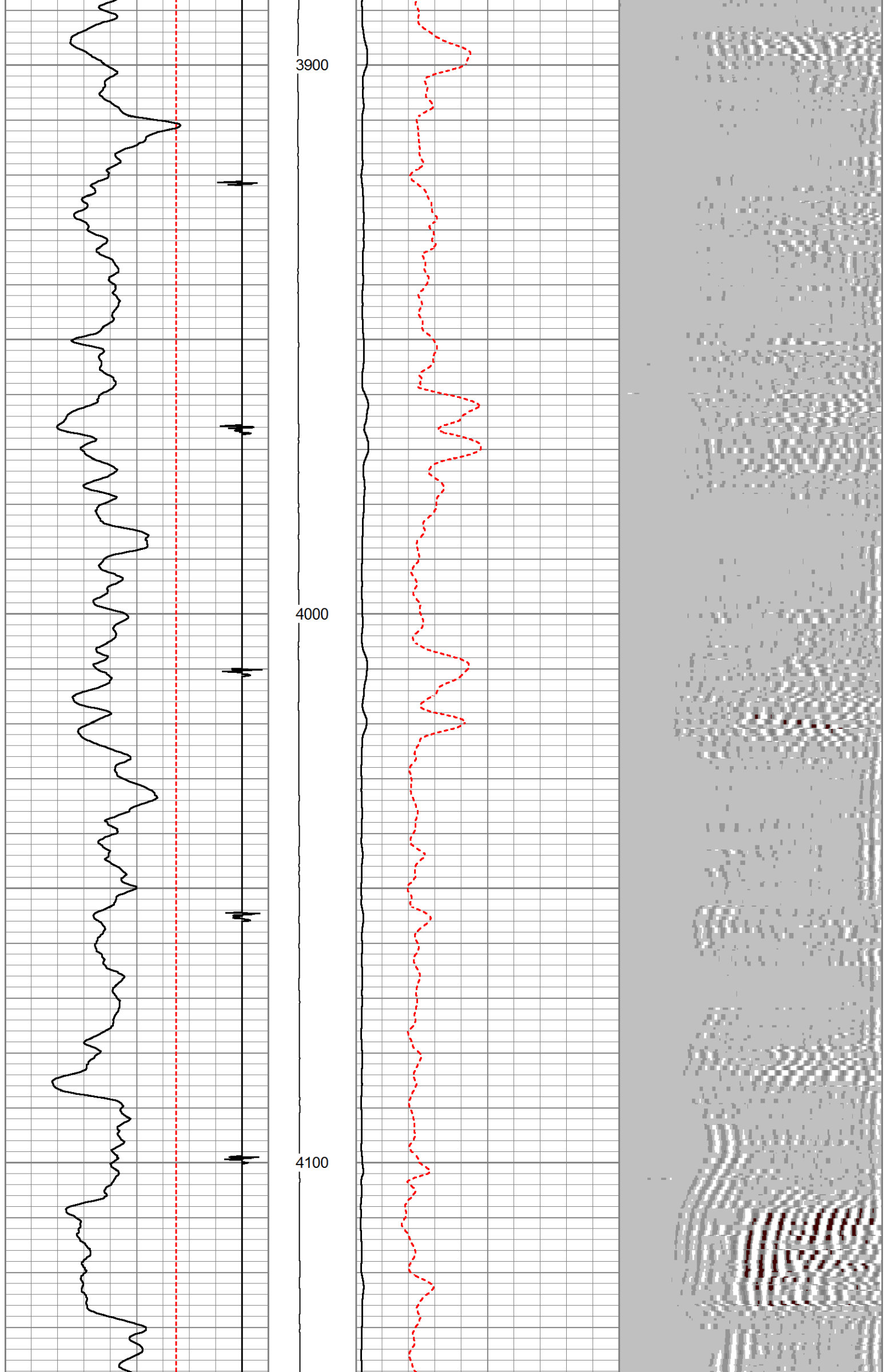
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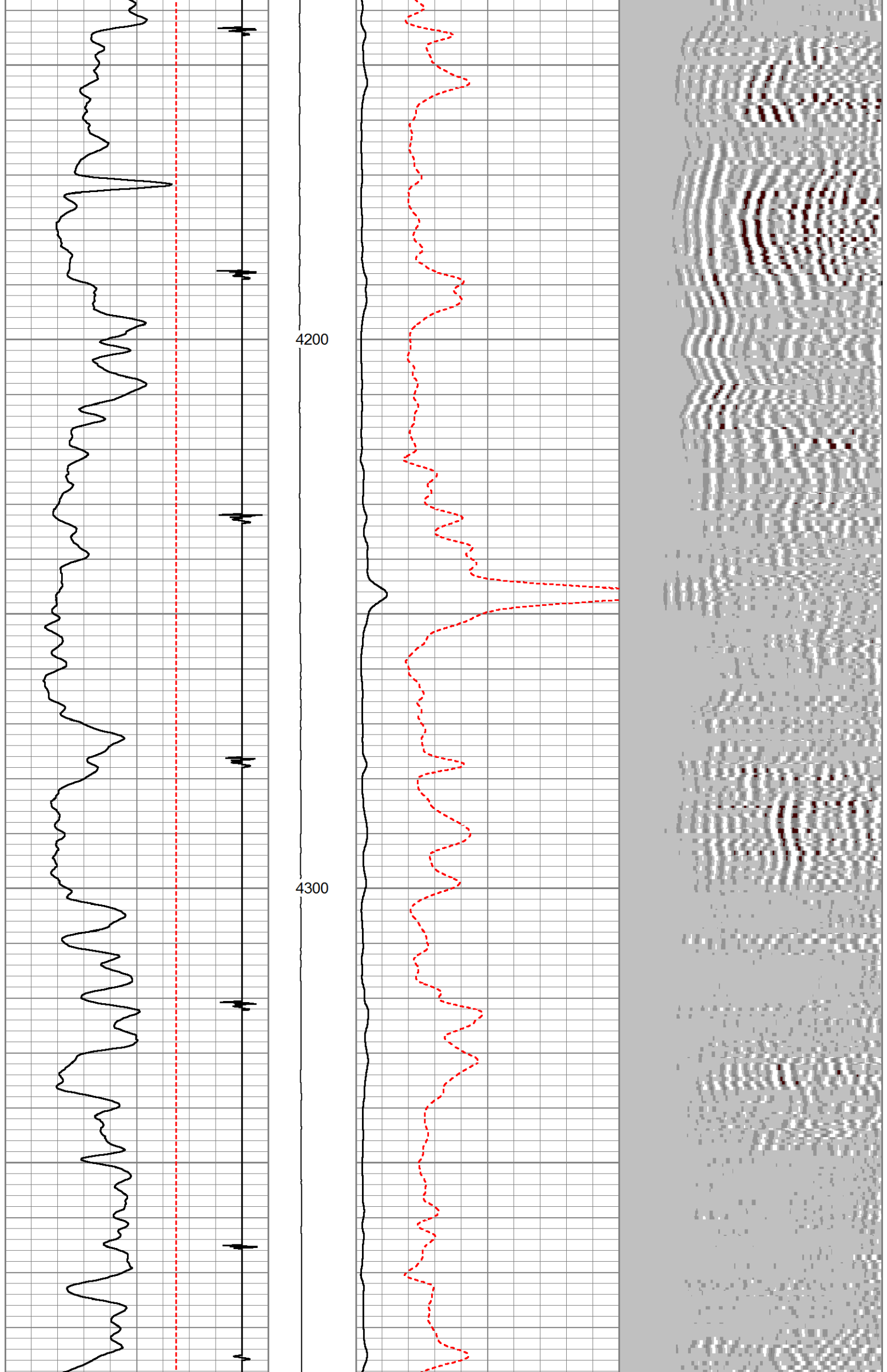
3300

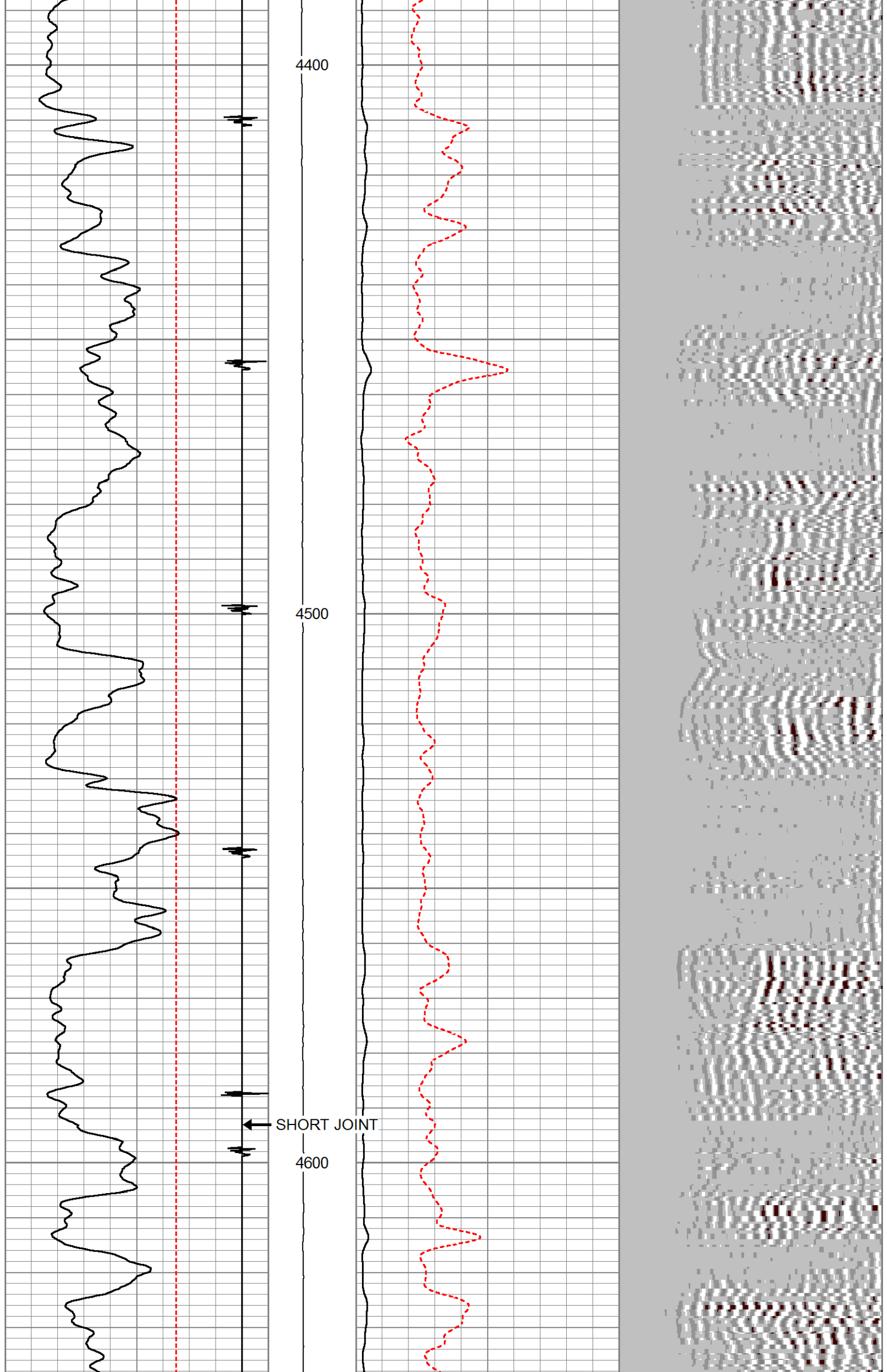


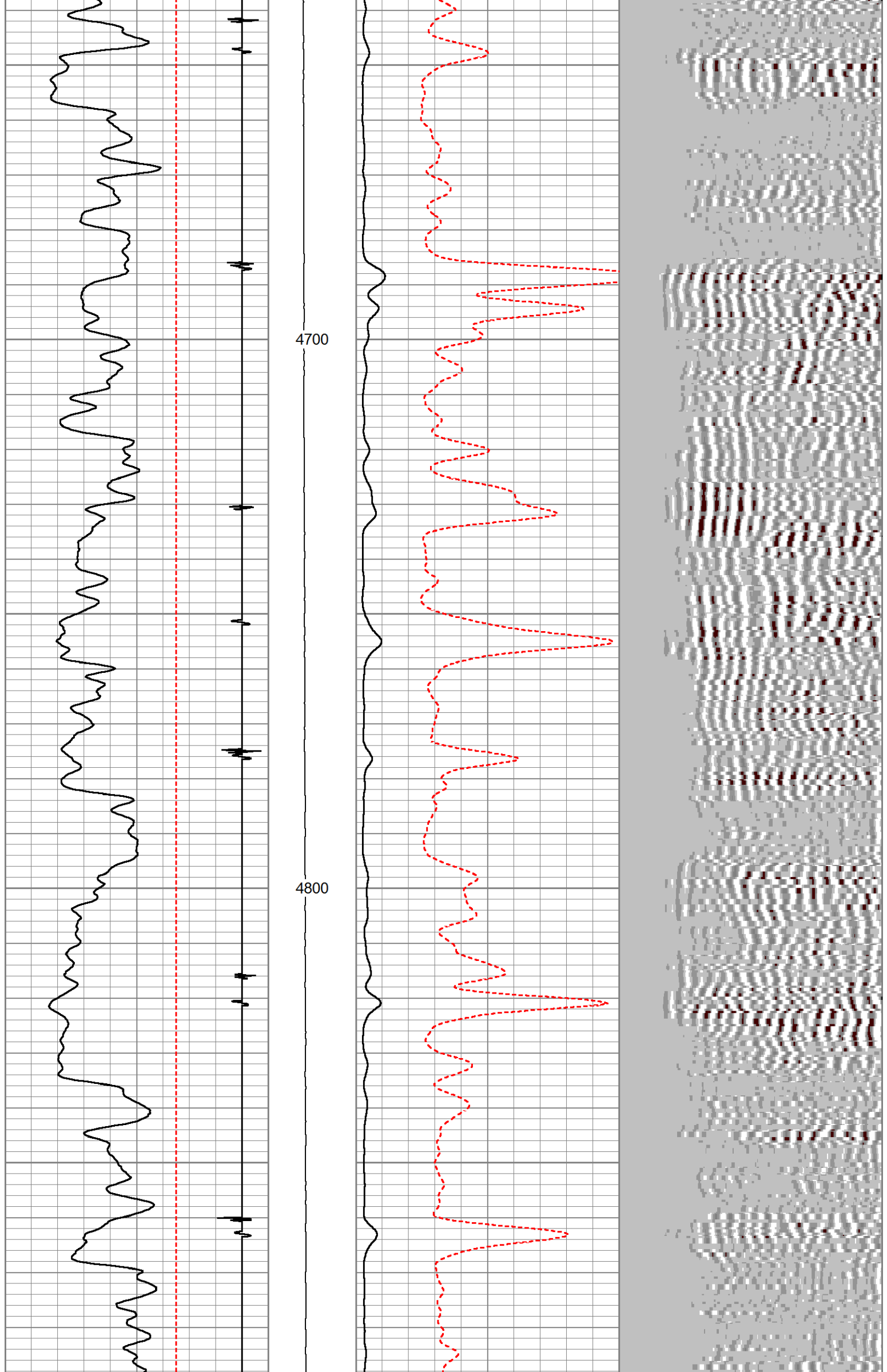


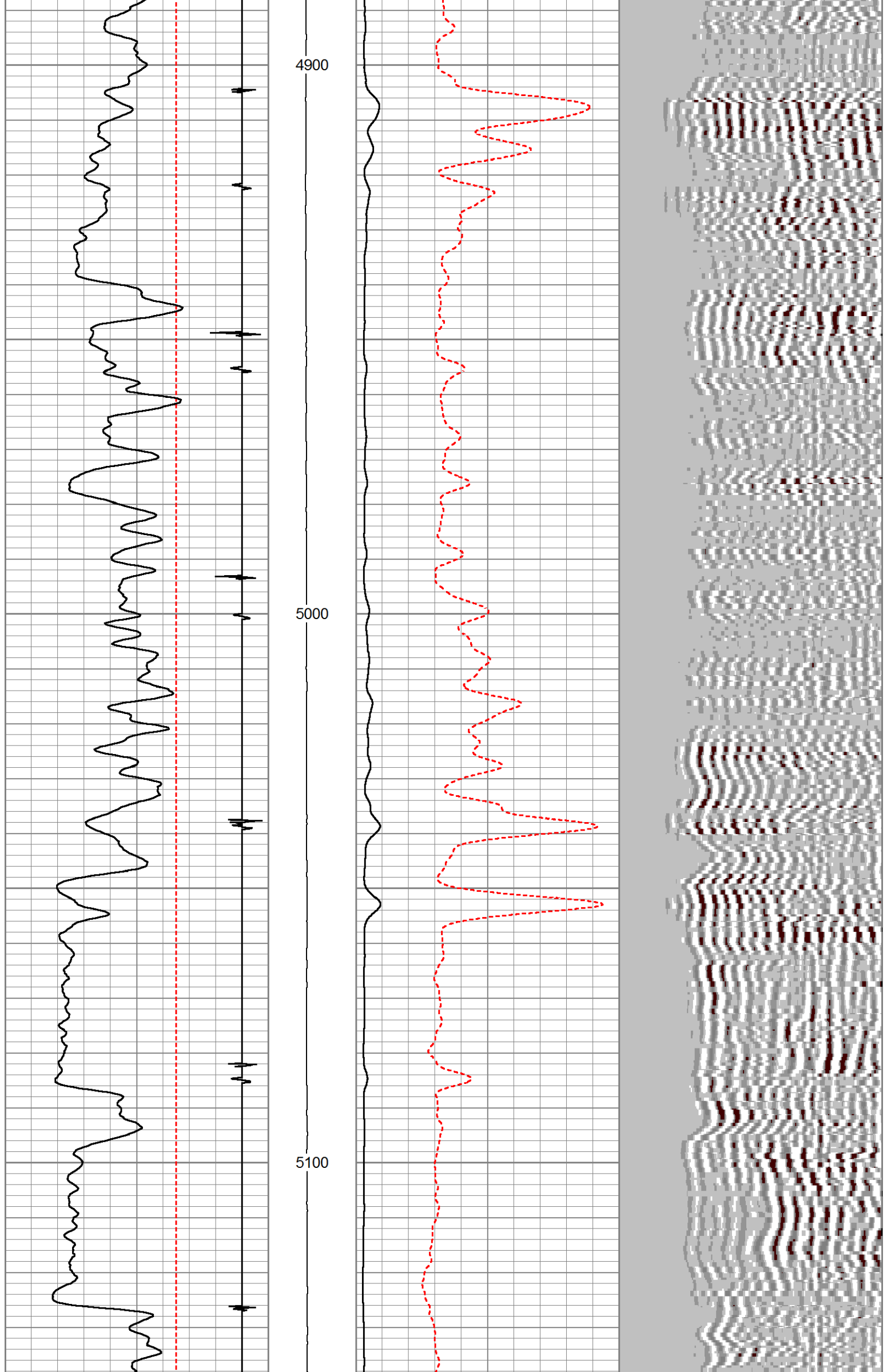


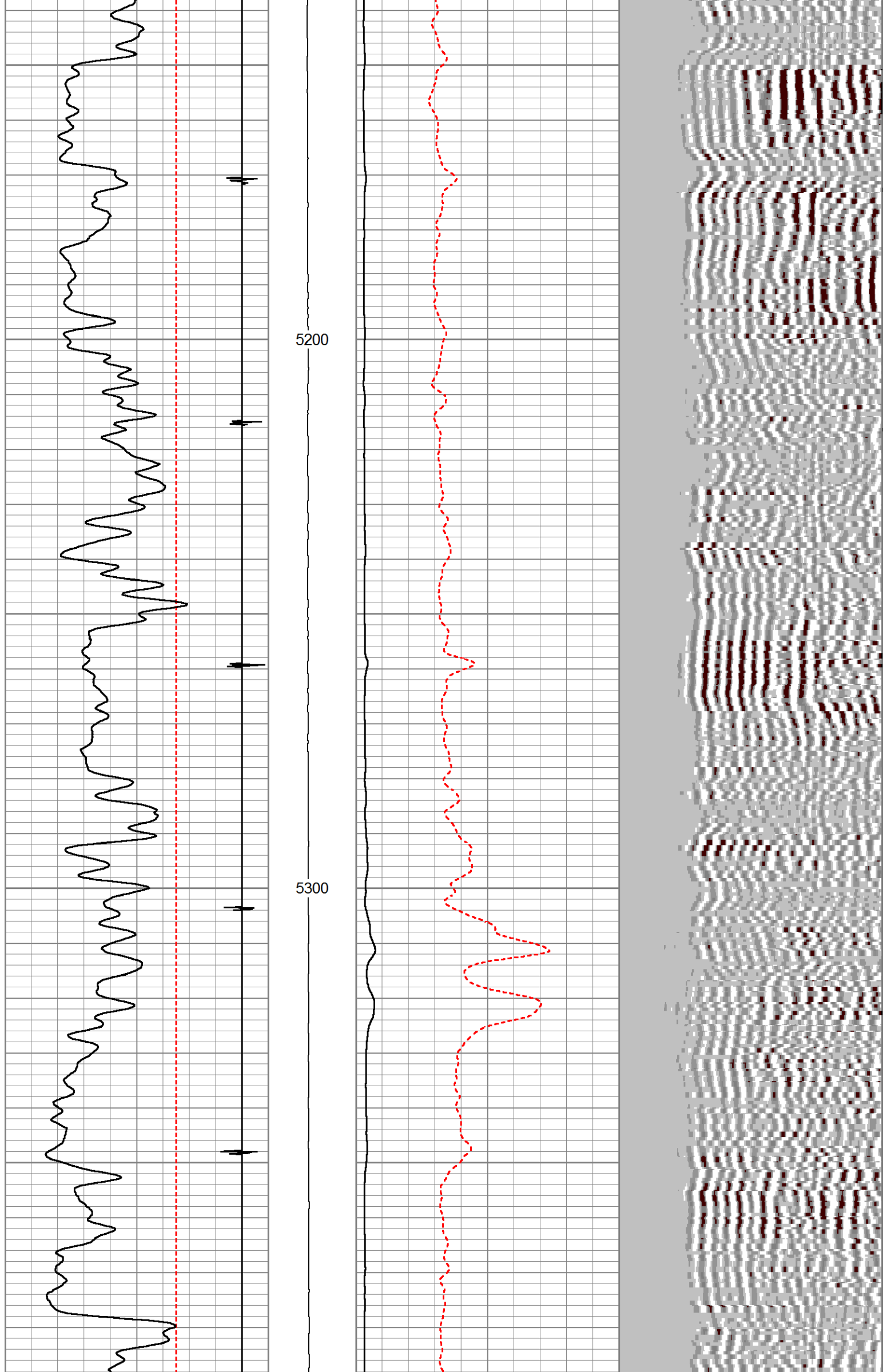


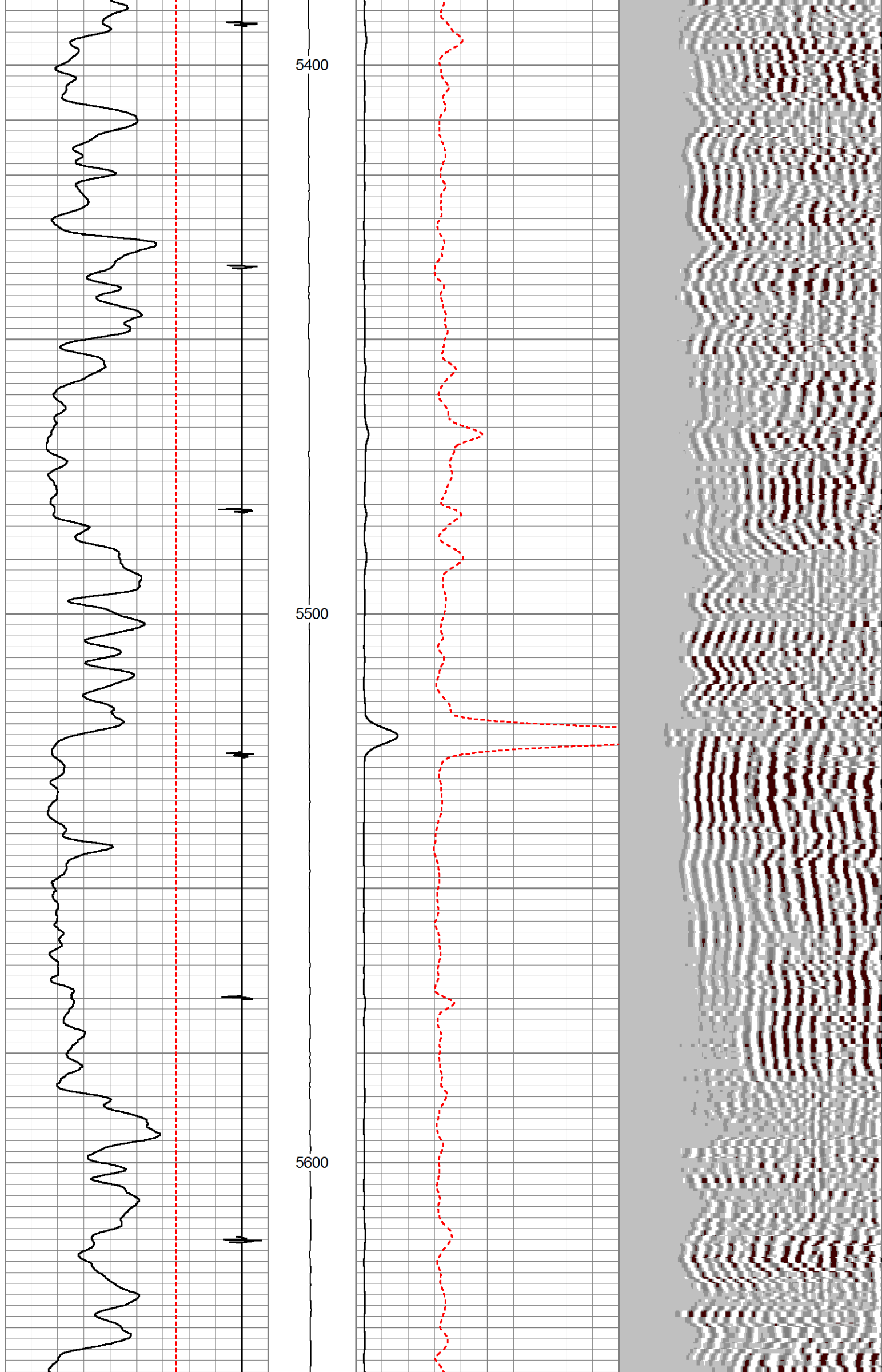


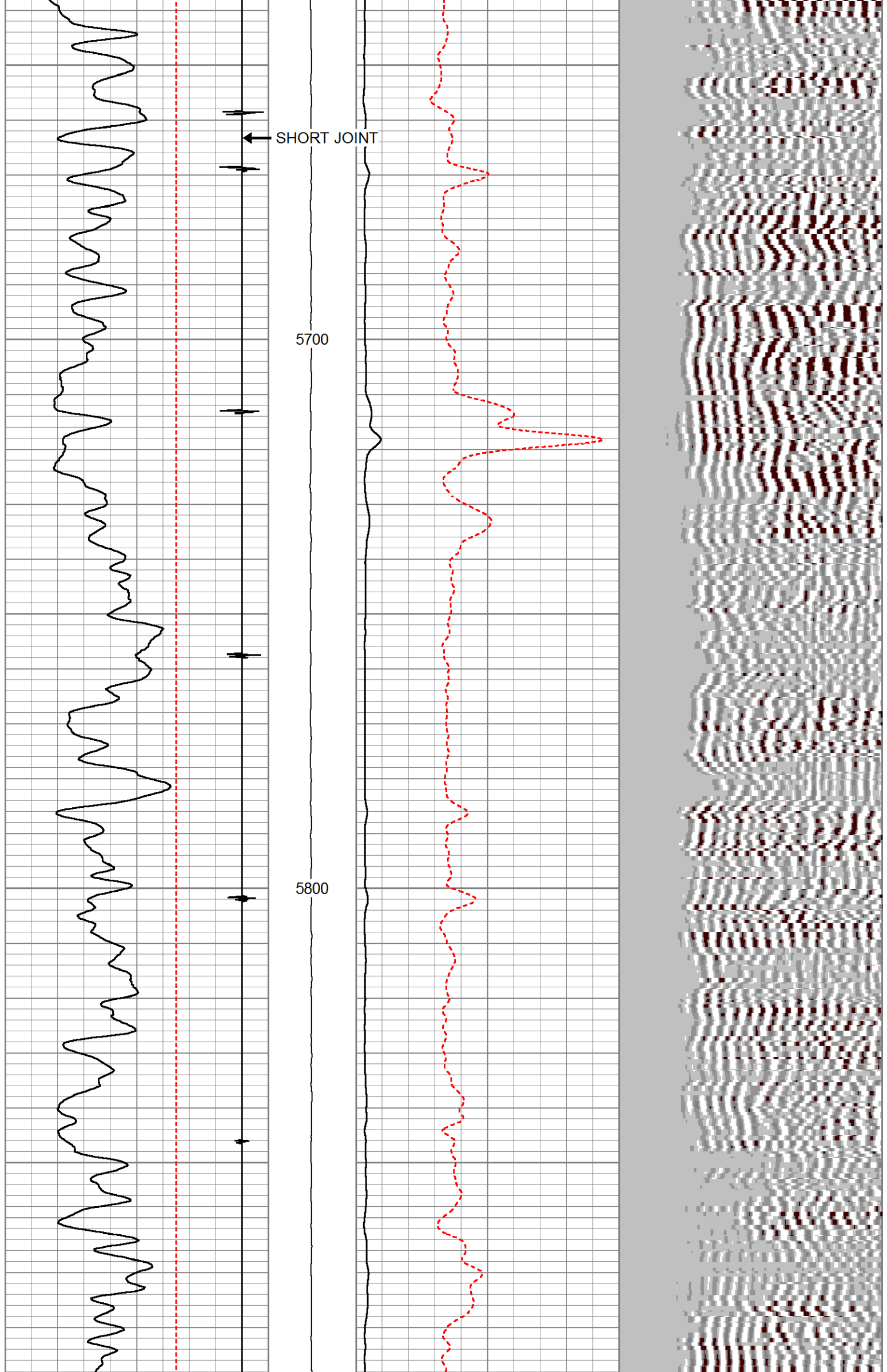


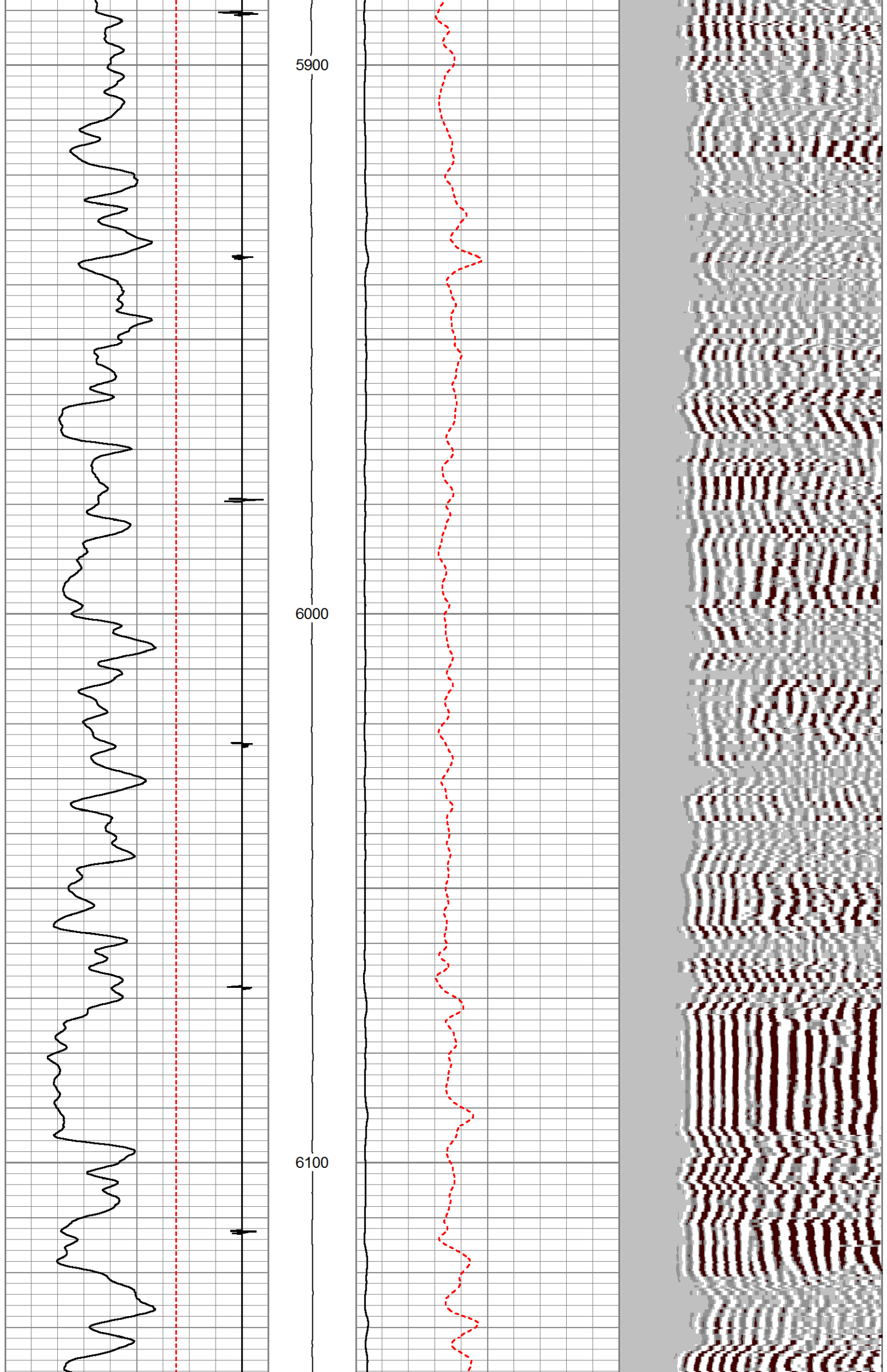


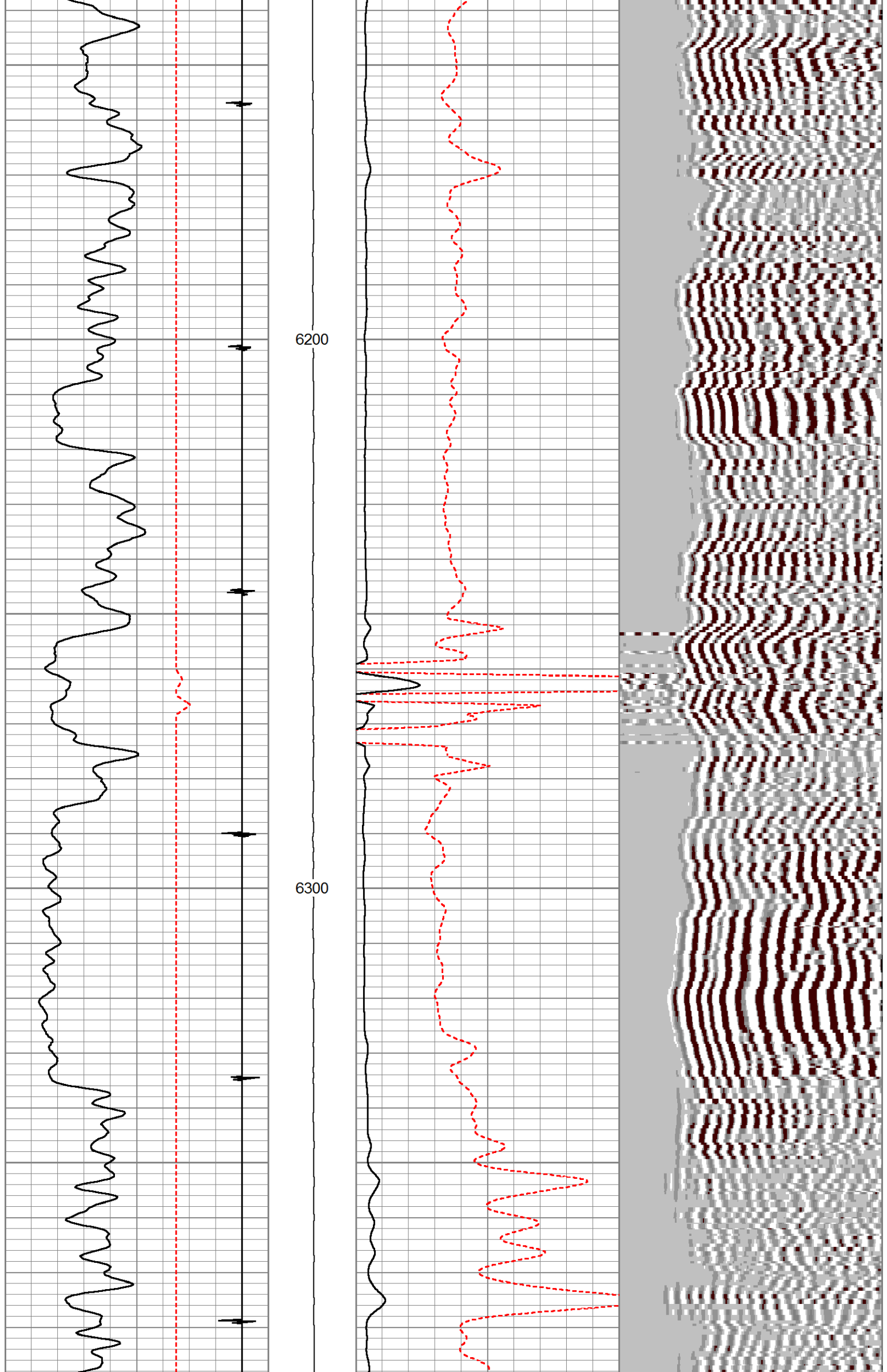


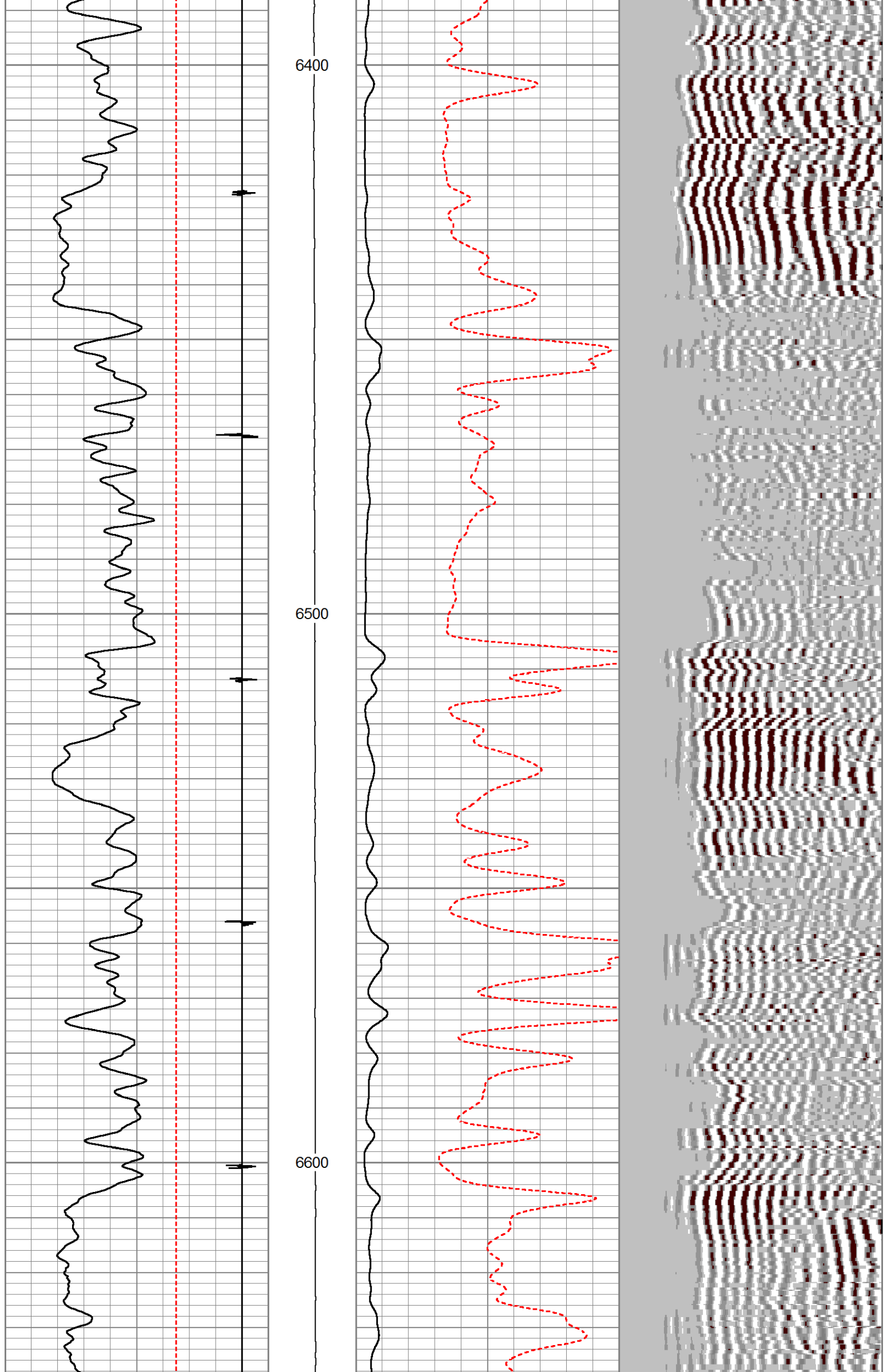


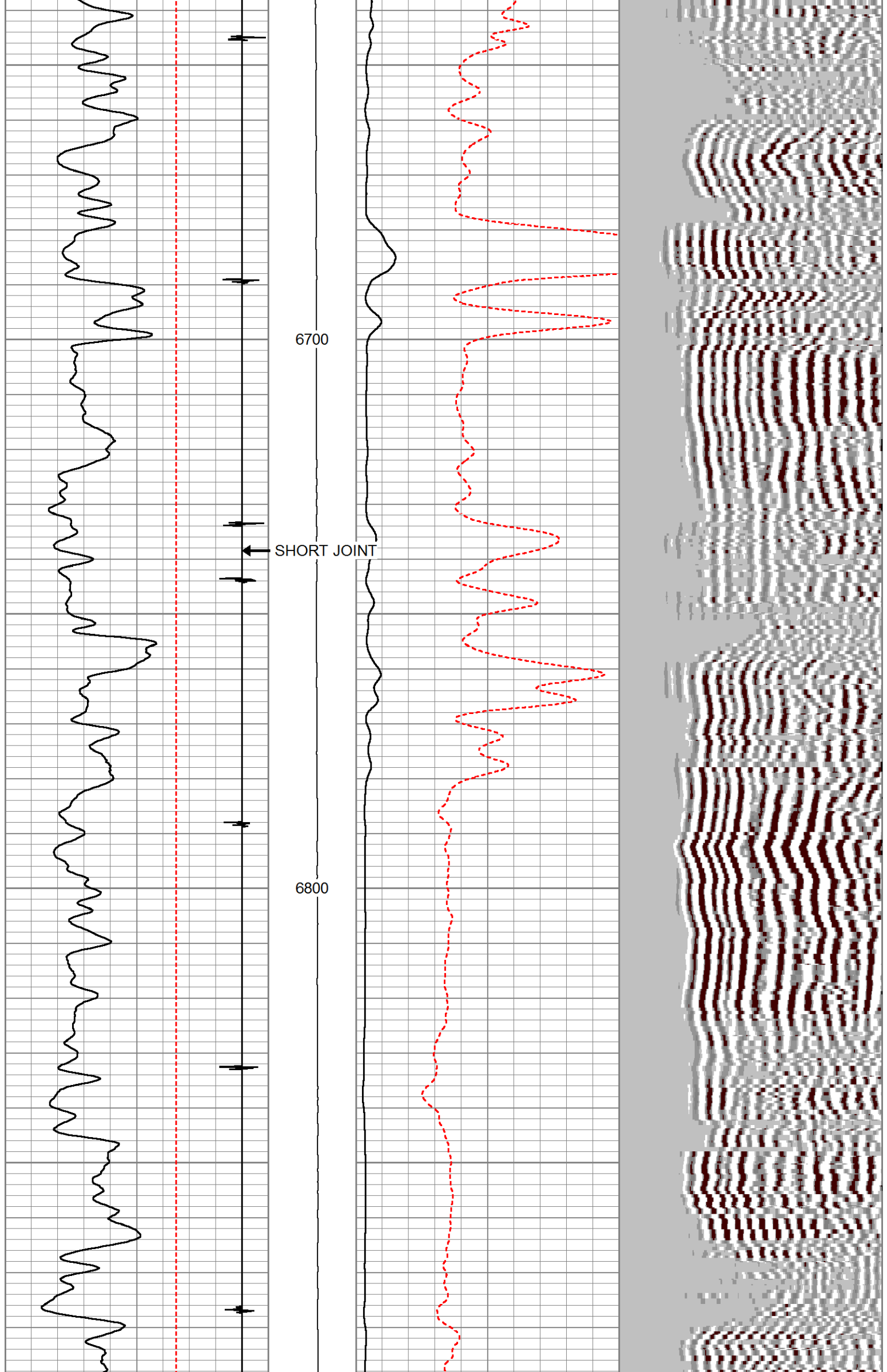


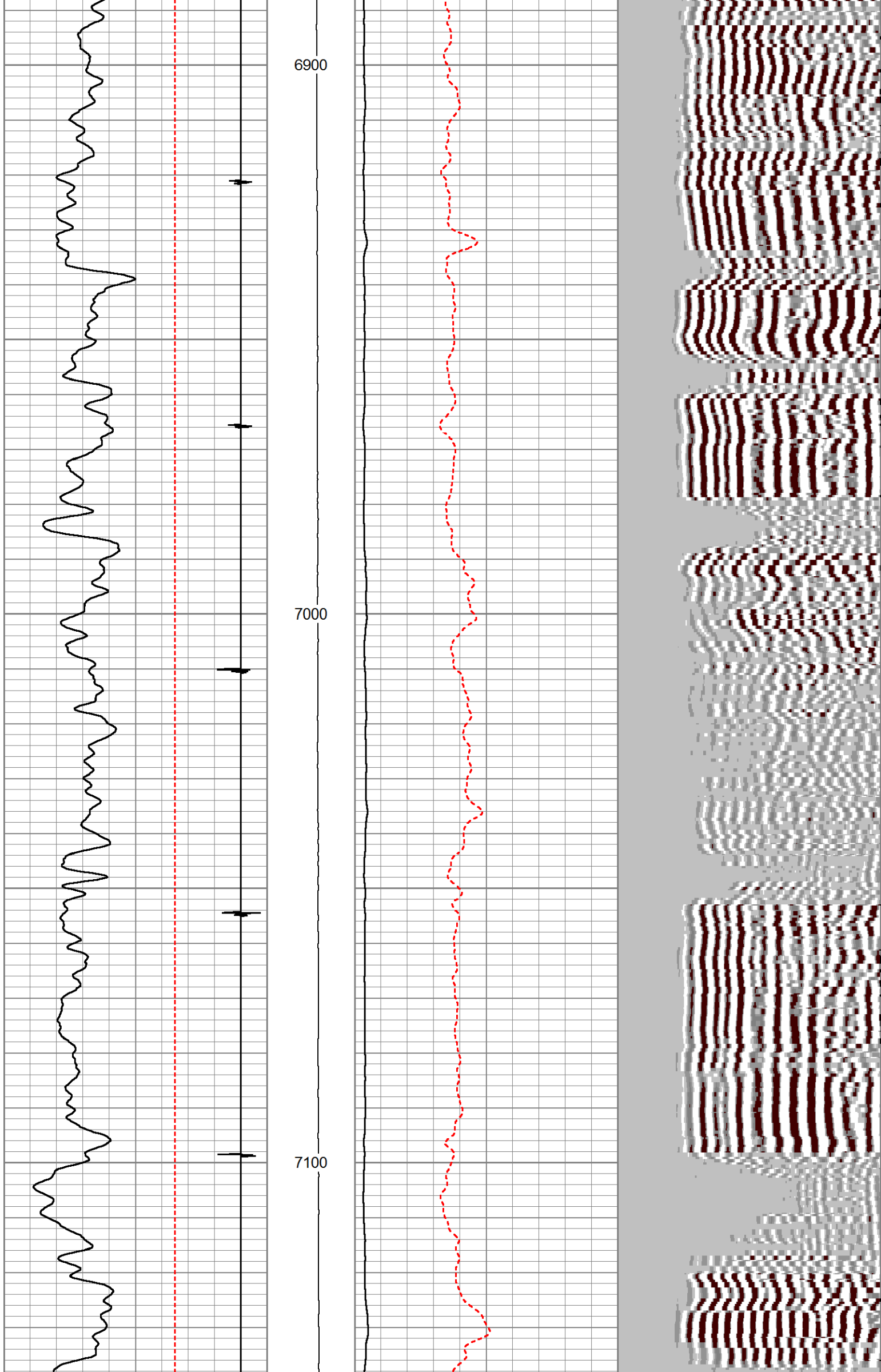


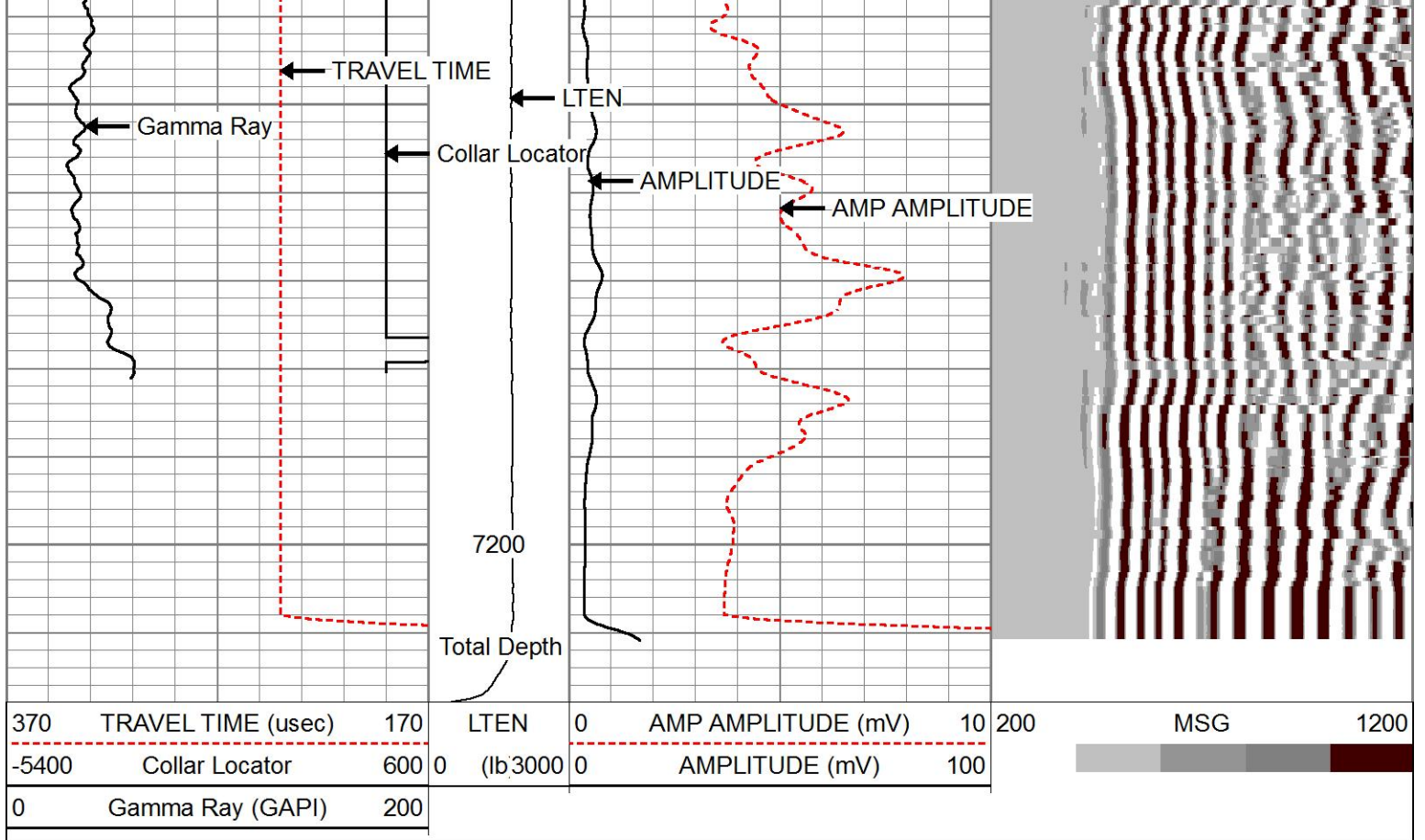












MAIN LOG SECTION

HALLIBURTON

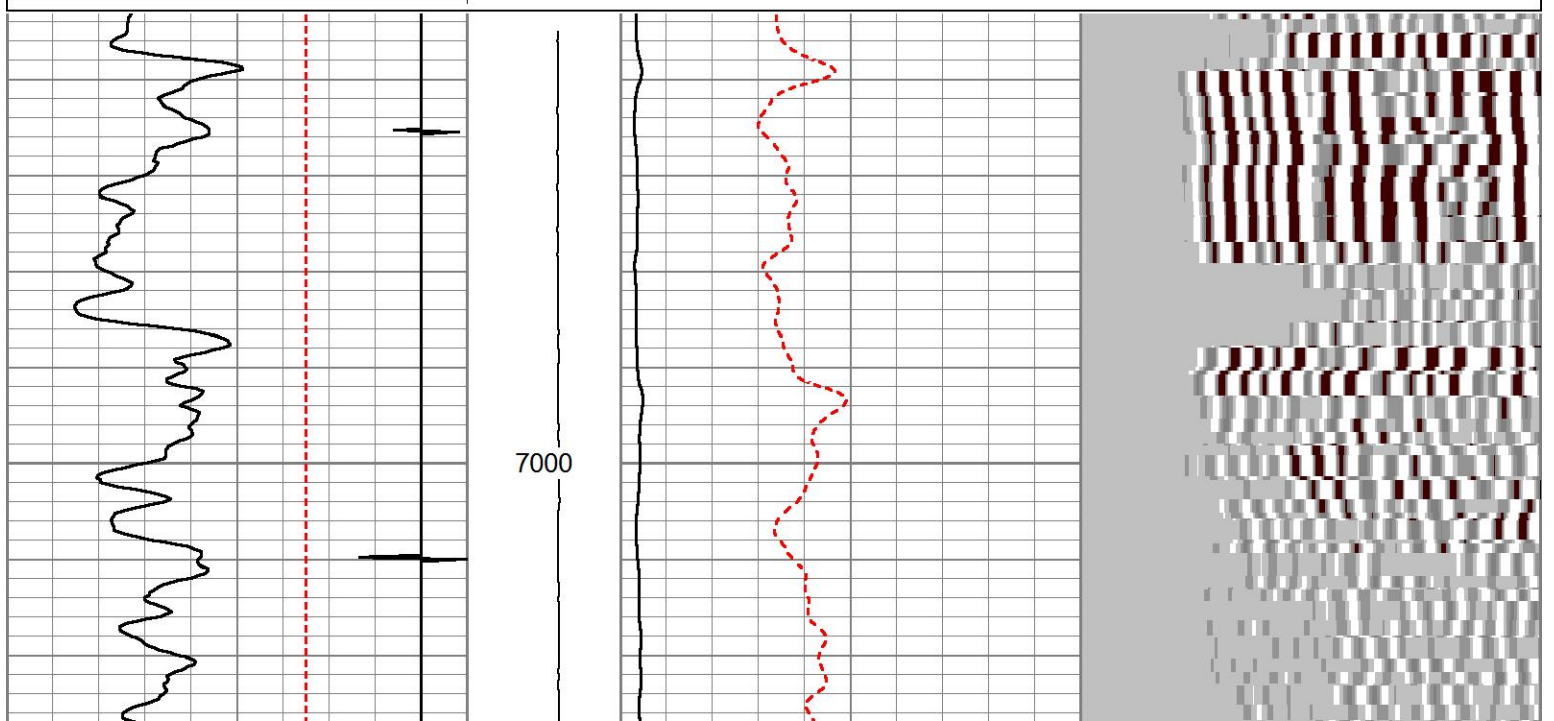
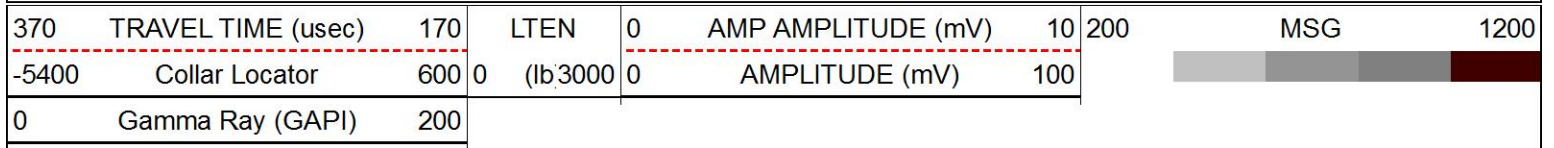
5" = 100'

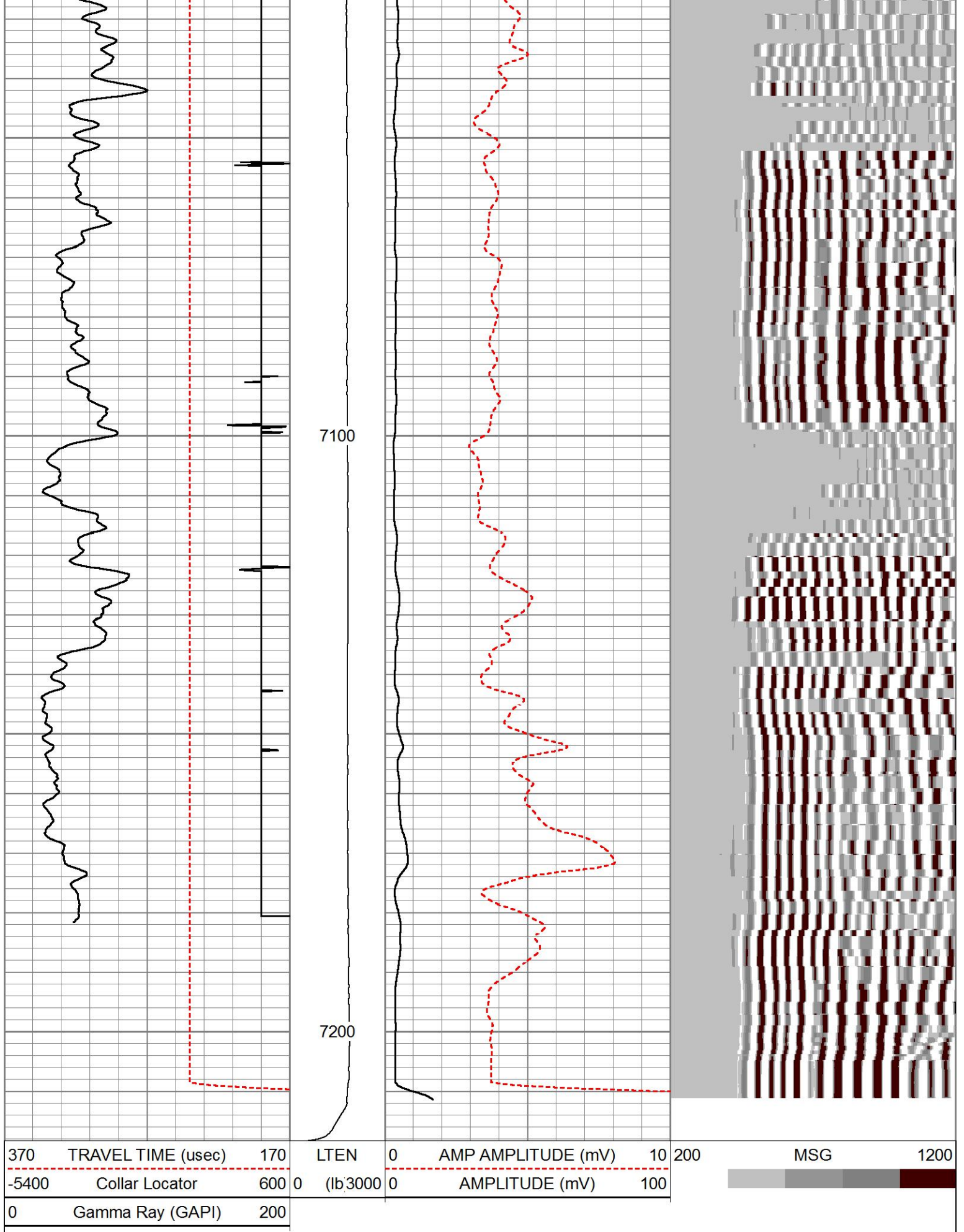
REPEAT LOG SECTION

HALLIBURTON

5" = 100'

Database File watson_b_32d_combo.db
 Dataset Pathname CBLRPT1
 Presentation Format cbl_rbt_1
 Dataset Creation Tue Jun 02 22:54:45 2015
 Charted by Depth in Feet scaled 1:240





REPEAT LOG SECTION

HALLIBURTON

5" = 100'

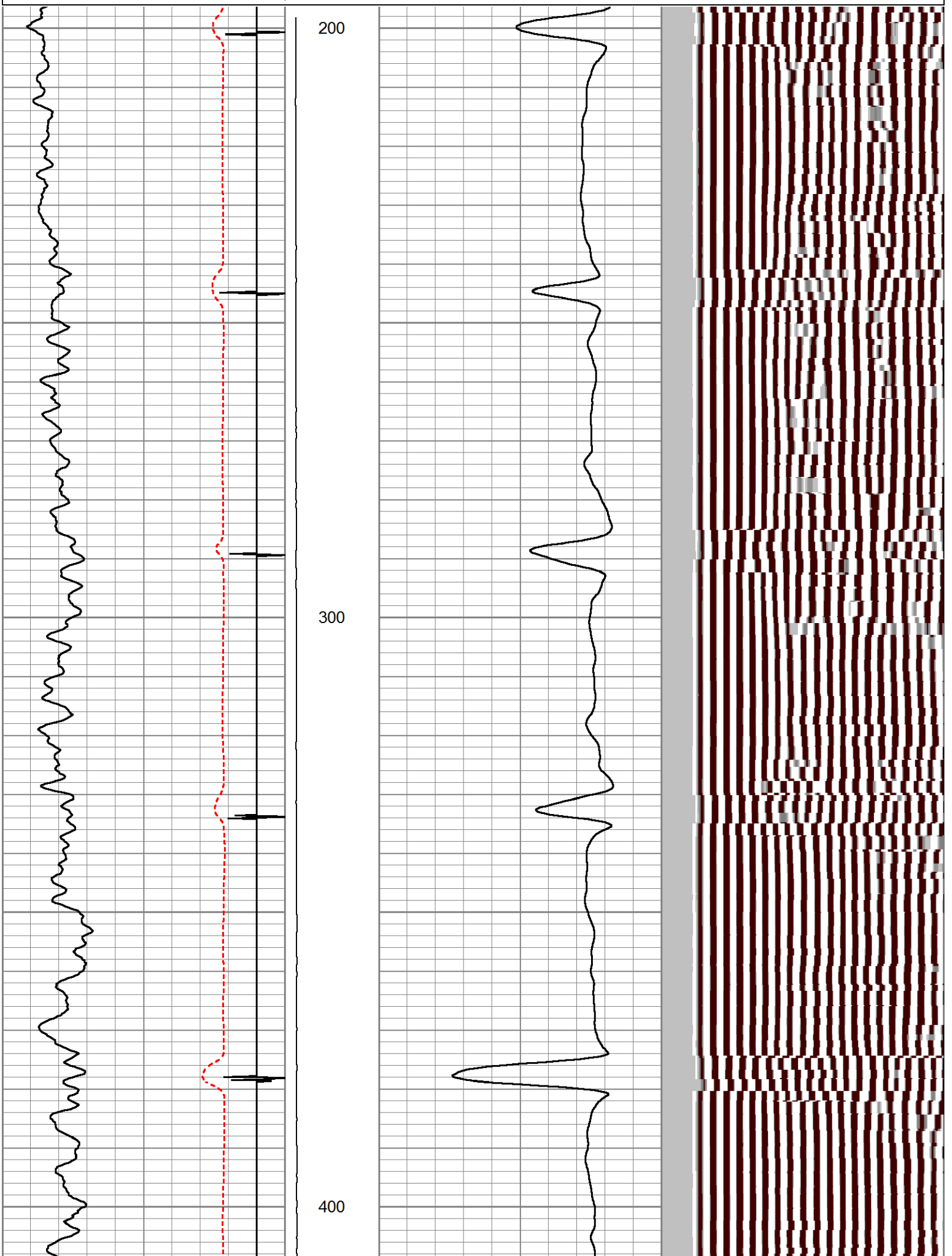
FREE PIPE LOG SECTION

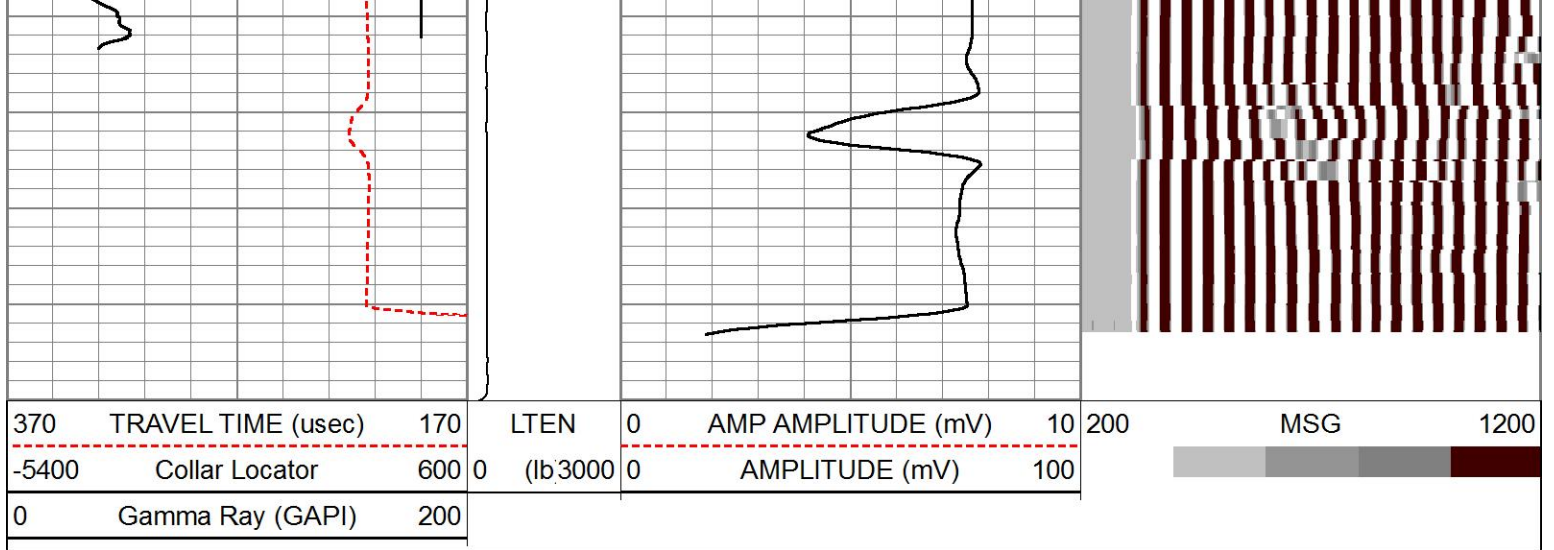
HALLIBURTON

5" = 100'

Database File watson_b_32d_combo.db
 Dataset Pathname free1
 Presentation Format cbl_rbt_1
 Dataset Creation Tue Jun 02 22:02:26 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 | | |
| 0 | Gamma Ray (GAPI) | 200 | | | | | | | |





FREE PIPE LOG SECTION

HALLIBURTON

5" = 100'

Log Variables

DatabaseD:\Warrior_data\watson_b_32d_combo.db
Dataset field/well/run1/MAIN1/_vars_

Top - Bottom

| | | | | | | | |
|-----------------|------------------|----------------|--------------|-------------------|---------------|-----------------|------------------|
| BHTEMP_Src | BHSAL2 | BHSAL1 | POROS2 | POROS1 | LTH | UHSGC | RHOFC |
| ITEMPX | 0 | 1 | 0 | 1 | Sandstone | NONE | 0.25 |
| SO in | BORSAL kppm | CASED? | PPT usec | CASEWGHT lb/ft | MAXAMPL mV | MINAMPL mV | MINATTN db/ft |
| 0 | 150 | Yes | 0 | 11.6 | 0 | 1 | 0.8 |
| SRFTEMP degF | MudWgt lb/gal | CASETHCK in | CASEOD in | PERFS | TDEPTH ft | BOTTEMP degF | BITSIZE in |
| 0 | 8.4 | 0.25 | 4.5 | 0 | 0 | 100 | 7.875 |

Calibration Report

Database File watson_b_32d_combo.db
Dataset Pathname MAIN1
Dataset Creation Tue Jun 02 23:04:50 2015

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:

Low: Reference (degF) Reading ()
 High: 0.000 0.000
 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) |
|--------|-------------|---|--|-------------|-----------|-------------|
| | |  | | | | |
| | | | STNDCH-STND_CH 1.4375 IN CABLE HEAD | 1.50 | 1.44 | 1.00 |
| CCL | 37.31 | | | | | |
| GR | 35.05 | | TTTCU-002 (11224503) Through Tubing Telemetry Cartridge - Ultrawire | 7.65 | 1.69 | 100.00 |
| | | | XHU-003 (12461939) Crossover Halliburton 1553 to Ultrawire | 1.58 | 1.69 | 7.00 |

| | | | | | | |
|------------|-------|---|---|-------|------|--------|
| RmtTFGT | 24.39 | | RMTI-A (12095949) Halliburton RMTI Tool | 14.00 | 2.13 | 77.00 |
| RmtTNGT | 23.89 | | X-OVER-SondexxGo Sondex Box x Go Pin Cross Over | 0.31 | 1.69 | 1.00 |
| RmtFP5V | 16.14 | | AUH-001 (11072111) Adaptor Ultrawire/Halliburton | 0.38 | 1.69 | 3.00 |
| RmtCommFWa | 16.14 | | 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_32d_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 32D-17-07-95 | | |
| Field | PARACHUTE | | |
| County | GARFIELD | State | CO |
| HALLIBURTON | ACOUSTIC CEMENT BOND LOG | | |