

Company: Caerus Operating LLC

Well: NPR 23D-10 596

Field: NPR

County: Garfield State: Colorado

Cement Bond Log  
RST Sigma Log  
Gamma Ray -Collar Locator

County: Garfield  
Field: NPR  
Location: K10-596  
Well: NPR 23D-10 596  
Company: Caerus Operating LLC

|                         |          |               |          |                  |
|-------------------------|----------|---------------|----------|------------------|
| K10-596                 |          | Elev.:        | K.B.     | 6733.00 ft       |
|                         |          |               | G.L.     | 6709.00 ft       |
|                         |          |               | D.F.     |                  |
| Permanent Datum:        |          | Ground Level  | Elev.:   | 6709.00 f        |
| Log Measured From:      |          | Kelly Bushing | 24.00 ft | above Perm.Datum |
| Drilling Measured From: |          | Kelly Bushing |          |                  |
| API Serial No.          | Section: | Township:     | Range:   |                  |
| 05045237690000          | 10       | 5S            | 96W      |                  |

Logging Date 15-Sep-2018

|                           |                      |      |              |  |
|---------------------------|----------------------|------|--------------|--|
| Run Number                | One                  |      |              |  |
| Depth Driller             | 9825.00 ft           |      |              |  |
| Schlumberger Depth        | 9799.00 ft           |      |              |  |
| Bottom Log Interval       | 9799.00 ft           |      |              |  |
| Top Log Interval          | 2800.00 ft           |      |              |  |
| Casing Fluid Type         | 2% KCL Water         |      |              |  |
| Salinity                  |                      |      |              |  |
| Density                   | 8.5 lbm/gal          |      |              |  |
| Fluid Level               | 8.00 ft              |      |              |  |
| BIT/CASING/TUBING STRING  |                      |      |              |  |
| Bit Size                  | 8.75 in              |      |              |  |
| From                      | 2988.00 ft           |      |              |  |
| To                        | 9825.00 ft           |      |              |  |
| Casing/Tubing Size        | 4.5 in               |      |              |  |
| Weight                    | 11.5 lbm/ft          |      |              |  |
| Grade                     | P110                 |      |              |  |
| From                      | 0.00 ft              |      |              |  |
| To                        | 9825.00 ft           |      |              |  |
| Max Recorded Temperatures | 278 degF             |      |              |  |
| Logger on Bottom          | 16-Sep-2018 19:35:00 |      |              |  |
| Unit Number               | Location:            | Time |              |  |
| 3007                      |                      | 3007 | Evanston, WY |  |
| Recorded By               | Roma Shalia          |      |              |  |
| Witnessed By              | Trent Ray            |      |              |  |

Disclaimer

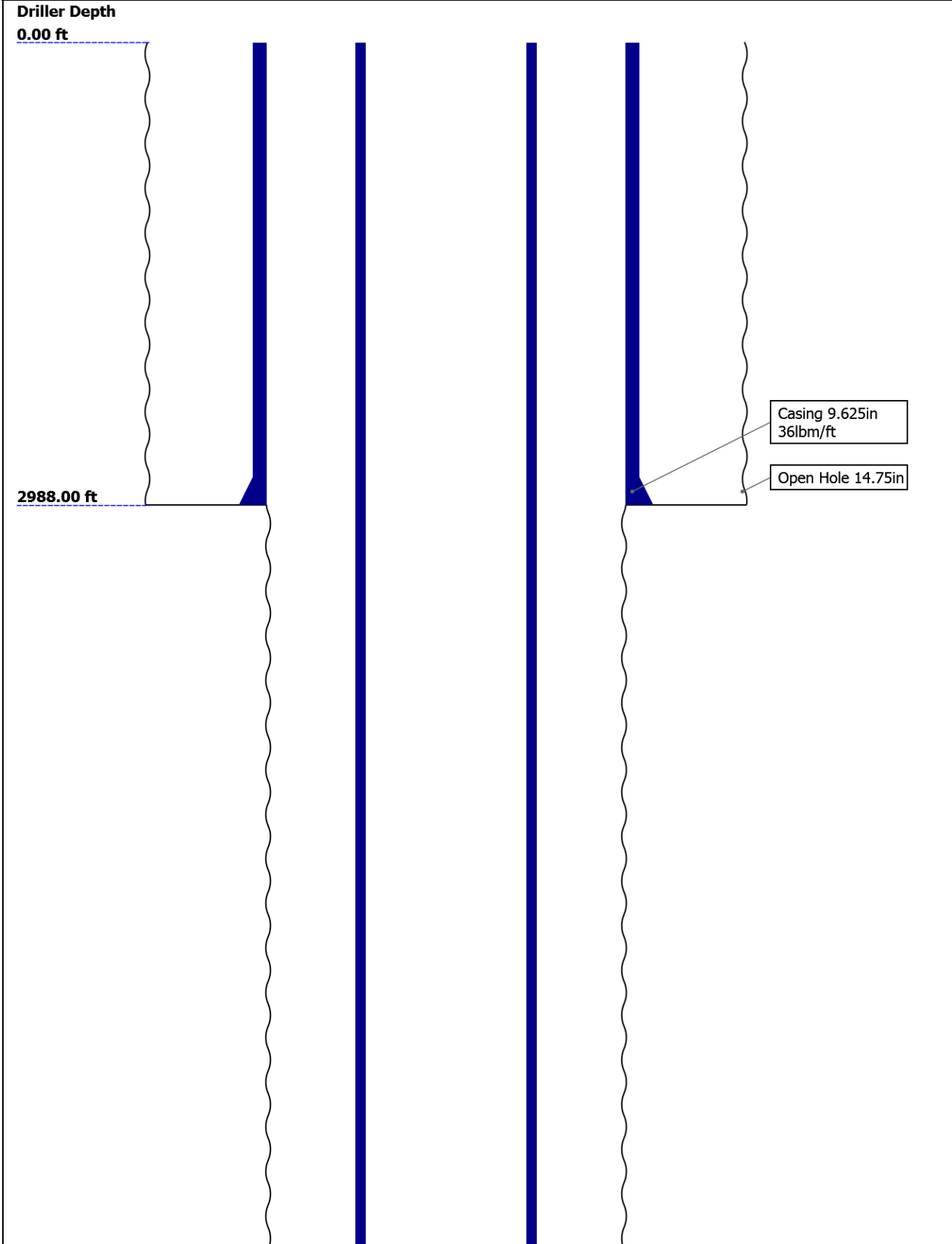
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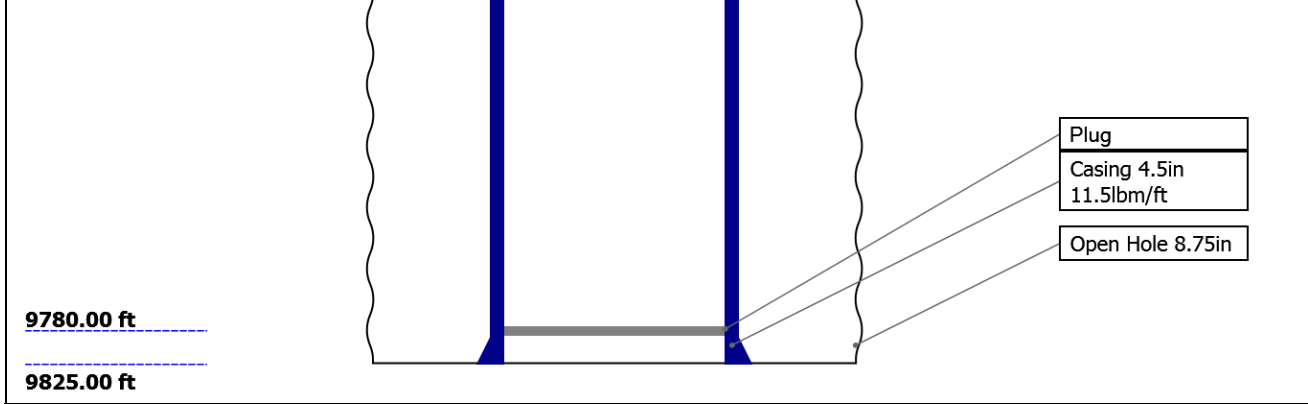
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Well Sketch





## Borehole Size/Casing/Tubing Record

|                       |       |       |  |  |  |  |
|-----------------------|-------|-------|--|--|--|--|
| Bit                   |       |       |  |  |  |  |
| Bit Size ( in )       | 14.75 | 8.75  |  |  |  |  |
| Top Driller ( ft )    | 0     | 2988  |  |  |  |  |
| Top Logger ( ft )     | 0     | 2988  |  |  |  |  |
| Bottom Driller ( ft ) | 2988  | 9825  |  |  |  |  |
| Bottom Logger ( ft )  | 2988  | 9825  |  |  |  |  |
| Casing                |       |       |  |  |  |  |
| Size ( in )           | 9.625 | 4.5   |  |  |  |  |
| Weight ( lbm/ft )     | 36    | 11.5  |  |  |  |  |
| Inner Diameter ( in ) | 8.921 | 4.005 |  |  |  |  |
| Grade                 | J55   | P110  |  |  |  |  |
| Top Driller ( ft )    | 0     | 0     |  |  |  |  |
| Top Logger ( ft )     | 0     | 0     |  |  |  |  |
| Bottom Driller ( ft ) | 2988  | 9825  |  |  |  |  |
| Bottom Logger ( ft )  | 2988  | 9825  |  |  |  |  |

## Remarks and Equipment Summary

| One: Toolstring   |               |                |               | One: Remarks                          |
|-------------------|---------------|----------------|---------------|---------------------------------------|
| <b>Equip name</b> | <b>Length</b> | <b>MP name</b> | <b>Offset</b> | Toolstring ran as per toolsketch      |
| PEH-E             | 61.66         |                |               | RST Mode:igma                         |
|                   |               |                |               | Matrix: Sandsotne                     |
| <b>AH-38</b>      | <b>59.98</b>  |                |               | Max Recorded Temp: 278degF            |
| <b>PSTP-B:282</b> | <b>59.7</b>   |                |               | SLB Depth: 9799ft                     |
| PSC-A             |               |                |               | Thank you for choosing Schlumberger!! |
| PSTC-A            |               |                |               |                                       |
| PBMS-B:2826       |               |                |               |                                       |
|                   |               | GR             | 55.99         |                                       |
|                   |               | PSTC           | 55.7          |                                       |
|                   |               | PSTC Tool      | 0.00          |                                       |
|                   |               | String Bot     |               |                                       |
|                   |               | tom            |               |                                       |
|                   |               | Temperatu      | 52.94         |                                       |
|                   |               | re             |               |                                       |
|                   |               | CQG Press      | 52.6          |                                       |
|                   |               | ure            |               |                                       |
|                   |               | CCL            | 52.18         |                                       |
|                   |               | PBMS           | 51.43         |                                       |
| <b>RST-C:578</b>  | <b>51.43</b>  |                |               |                                       |
| RSCH-A:437        |               |                |               |                                       |
| RSC-E:551         |               |                |               |                                       |
| RSS-A:488         |               |                |               |                                       |
| MNTR-F:1352       |               |                |               |                                       |
| -51352            |               |                |               |                                       |
| RSXH-A            |               |                |               |                                       |
| RSX-E:578         |               |                |               |                                       |
|                   |               | RSC-E          | 45.07         |                                       |



PPAT-A:744 28.41

SCMT-HC:82 26.49

UDFH-RMC:8  
020  
SCMC-HC:822  
5  
SCME-K  
SCMS-CA:822  
5  
UDFH-RMT:80  
24  
SCMX-HC:803  
9



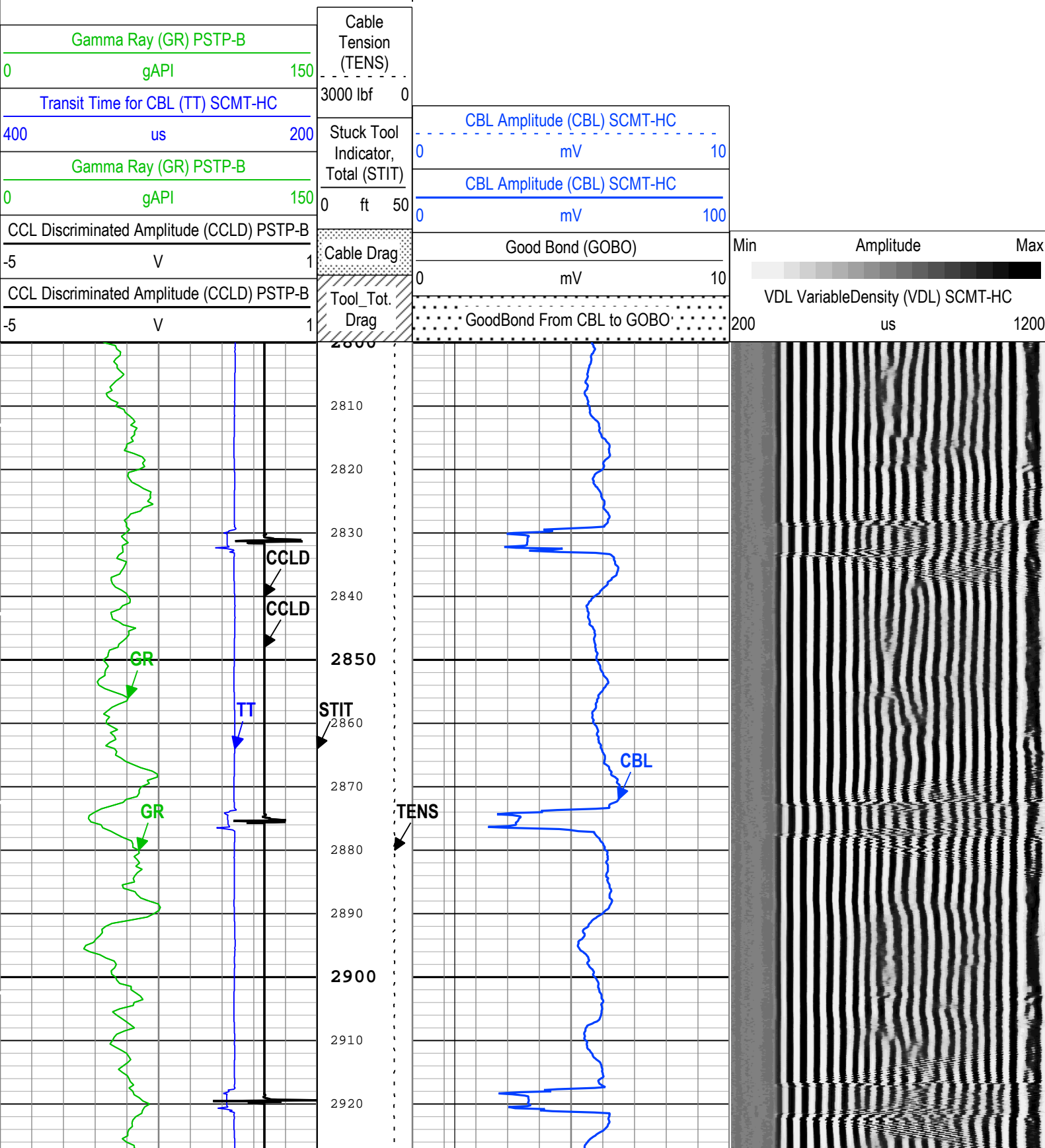
|   |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
|---|----------------|-----------|-----|-----------------------|-------|------|----------|--|---------|--|--|--|--|--|--|
| <div><div><div>BNS-P</div><div>0.14</div></div><div><div><div></div><div>TOOL_ZERO</div></div><div>Lengths are in ft</div><div>Maximum Outer Diameter = 2.065 in</div><div>Line: Sensor Location, Value: Gating Offset</div><div>All measurements are relative to TOOL_ZERO</div></div></div> |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Depth Summary   |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
|   |                |           |     | One                   |       |      |          |  |         |  |  |  |  |  |  |
| Depth Measuring Device  |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Type  |                |           |     | IDW-JA                |       |      |          |  |         |  |  |  |  |  |  |
| Serial Number   |                |           |     | 5979                  |       |      |          |  |         |  |  |  |  |  |  |
| Calibration Date  |                |           |     | 10-JUN-2017           |       |      |          |  |         |  |  |  |  |  |  |
| Calibrator Serial Number  |                |           |     | IDWC-C-57             |       |      |          |  |         |  |  |  |  |  |  |
| Calibration Cable Type  |                |           |     | 1-25ZA-XXS            |       |      |          |  |         |  |  |  |  |  |  |
| Wheel Correction 1  |                |           |     | -3                    |       |      |          |  |         |  |  |  |  |  |  |
| Wheel Correction 2  |                |           |     | -3                    |       |      |          |  |         |  |  |  |  |  |  |
| Tension Device  |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Type  |                |           |     | CMTD-B/A              |       |      |          |  |         |  |  |  |  |  |  |
| Serial Number   |                |           |     | 5036                  |       |      |          |  |         |  |  |  |  |  |  |
| Calibration Date  |                |           |     | 10-Sep-2018           |       |      |          |  |         |  |  |  |  |  |  |
| Calibrator Serial Number  |                |           |     | 112544A               |       |      |          |  |         |  |  |  |  |  |  |
| Number of Calibration Points  |                |           |     | 10                    |       |      |          |  |         |  |  |  |  |  |  |
| Calibration Root Mean Square Error  |                |           |     | 21                    |       |      |          |  |         |  |  |  |  |  |  |
| Calibration Peak Error  |                |           |     | 10                    |       |      |          |  |         |  |  |  |  |  |  |
| Logging Cable   |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Type  |                |           |     | 1-25ZA                |       |      |          |  |         |  |  |  |  |  |  |
| Serial Number   |                |           |     | 112140                |       |      |          |  |         |  |  |  |  |  |  |
| Length  |                |           |     | 16800.00 ft           |       |      |          |  |         |  |  |  |  |  |  |
| Conveyance Type   |                |           |     | Wireline              |       |      |          |  |         |  |  |  |  |  |  |
| Rig Type  |                |           |     | Crane                 |       |      |          |  |         |  |  |  |  |  |  |
| One:Depth Control Parameters  |                |           |     |                       |       |      |          | Depth Control Remarks  |         |  |  |  |  |  |  |
| Log Sequence  |                |           |     | First Log In the Well |       |      |          | All Schlumberger depth control policies followed<br><br>IDW used as primary depth control<br><br>Z-Chart used as secondary depth control |         |  |  |  |  |  |  |
| Rig Up Length At Surface  |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Rig Up Length At Bottom   |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Rig Up Length Correction  |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Stretch Correction  |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Tool Zero Check At Surface  |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| One   |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Main Pass   |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Software Version  |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Acquisition System  |                |           |     |                       |       |      |          | Version  |         |  |  |  |  |  |  |
| Maxwell 2018 SP1  |                |           |     |                       |       |      |          | 8.1.99839.3100   |         |  |  |  |  |  |  |
| Application Patch   |                |           |     |                       |       |      |          | Wireline_Hotfix-Mandatory-2018SP1_8.1.102865   |         |  |  |  |  |  |  |
| Pass Summary  |                |           |     |                       |       |      |          |  |         |  |  |  |  |  |  |
| Run Name  | Pass Objective | Direction | Top | Bottom                | Start | Stop | DSC Mode | Depth Shift  | Include |  |  |  |  |  |  |

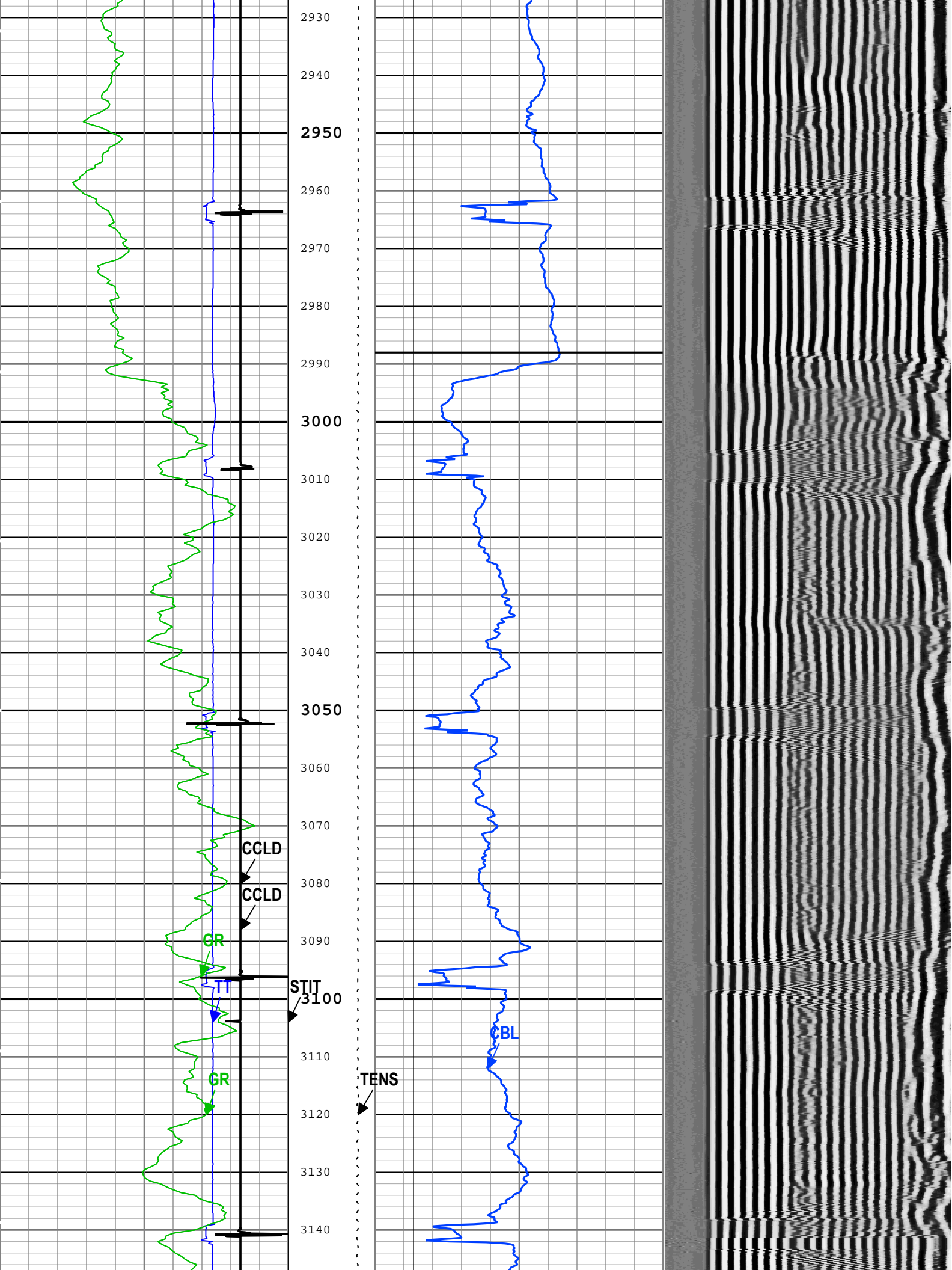
All depths are referenced to toolstring zero

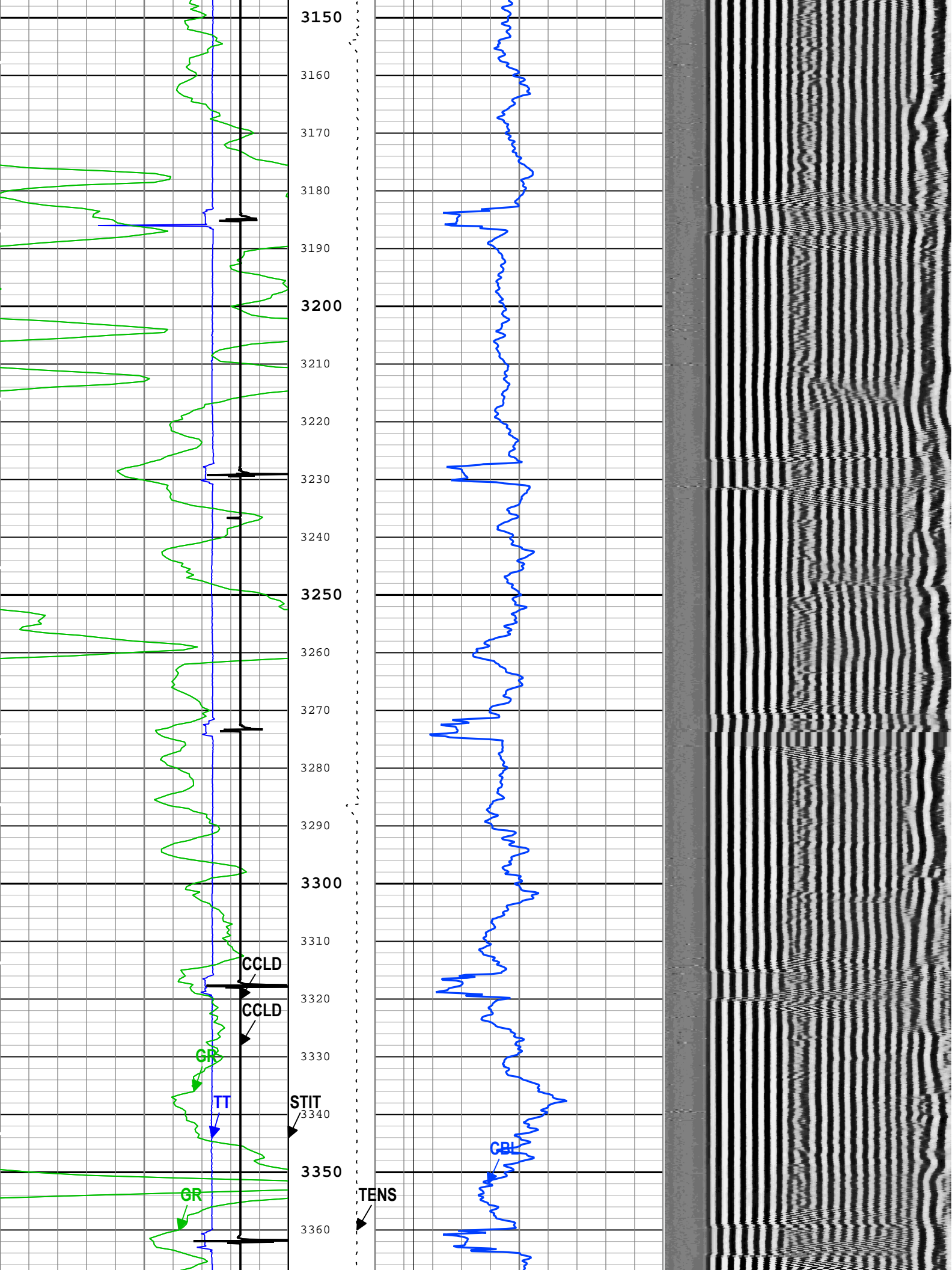
One: Log[3]:Up:S002

TIME\_1900 - Time Marked every 60.00 (s)

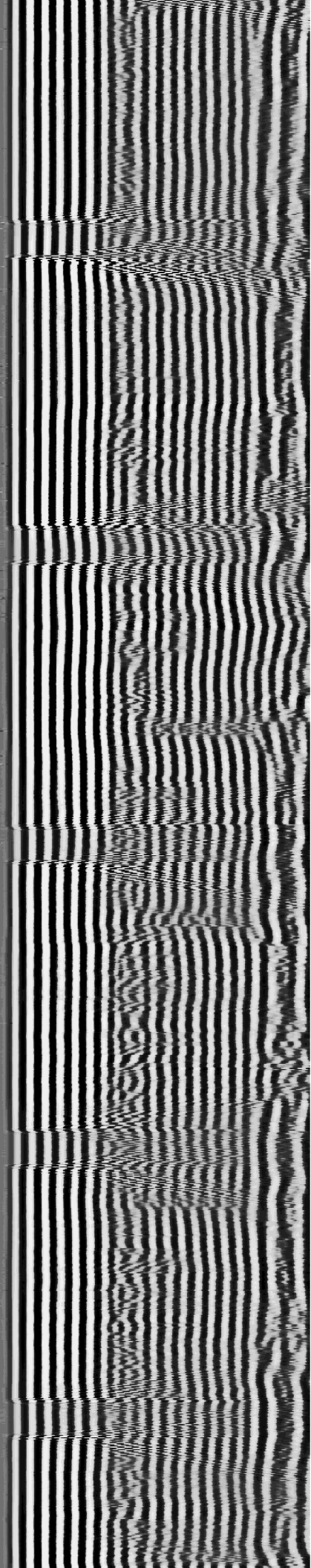
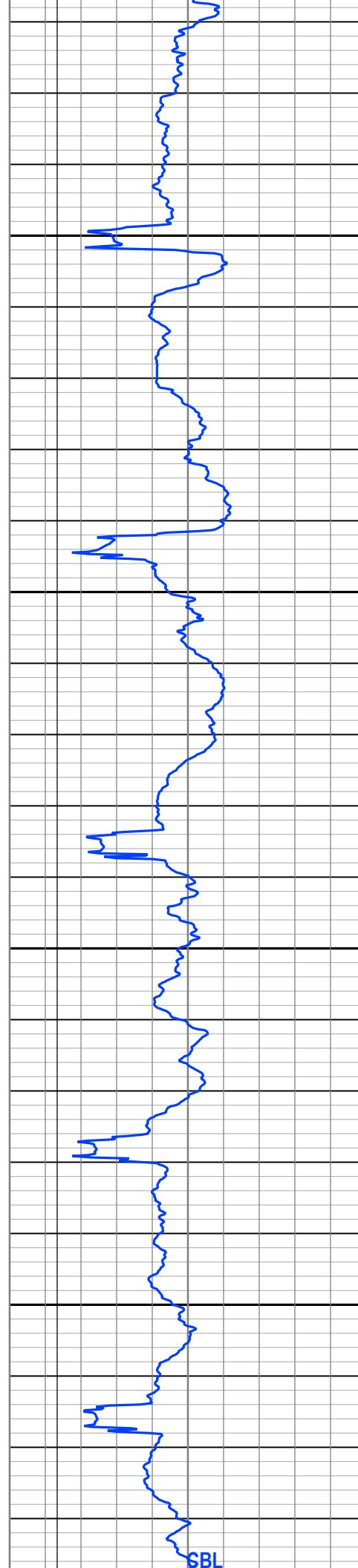
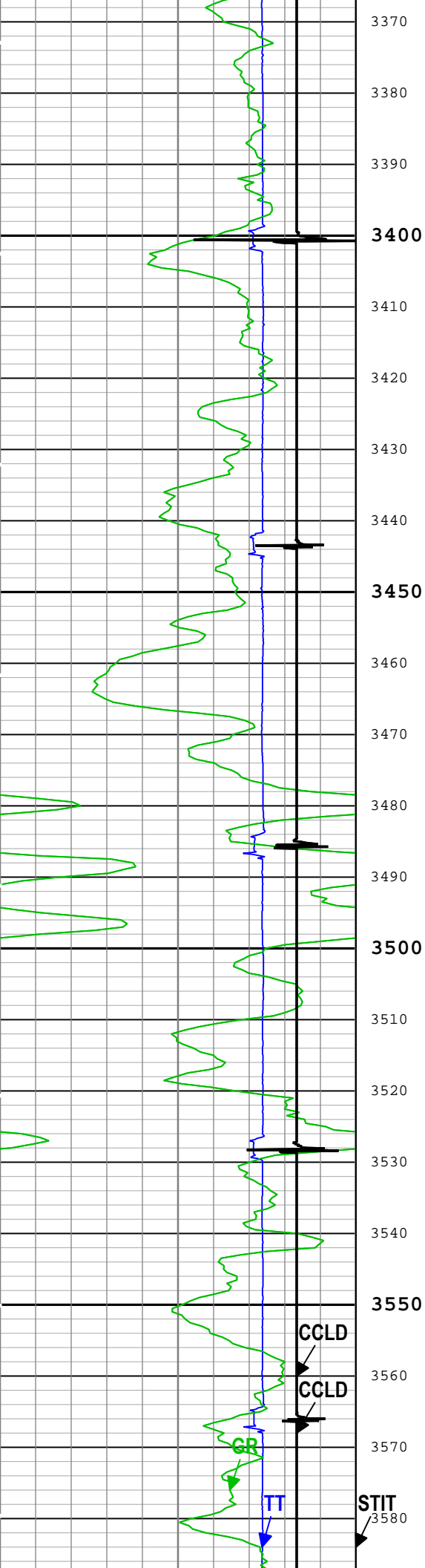
- BIEP - Bond Index Event Pips SCMT-HC

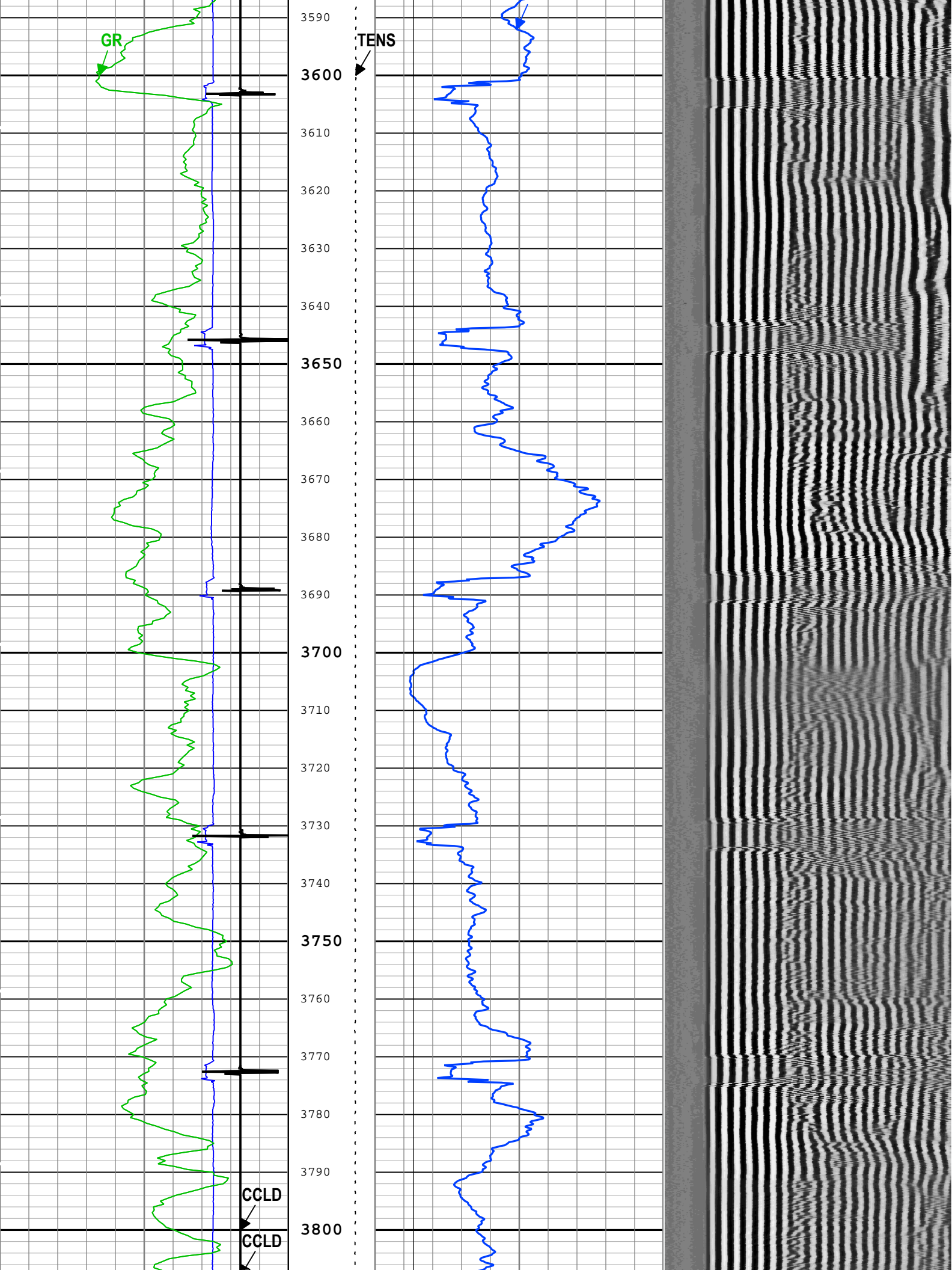




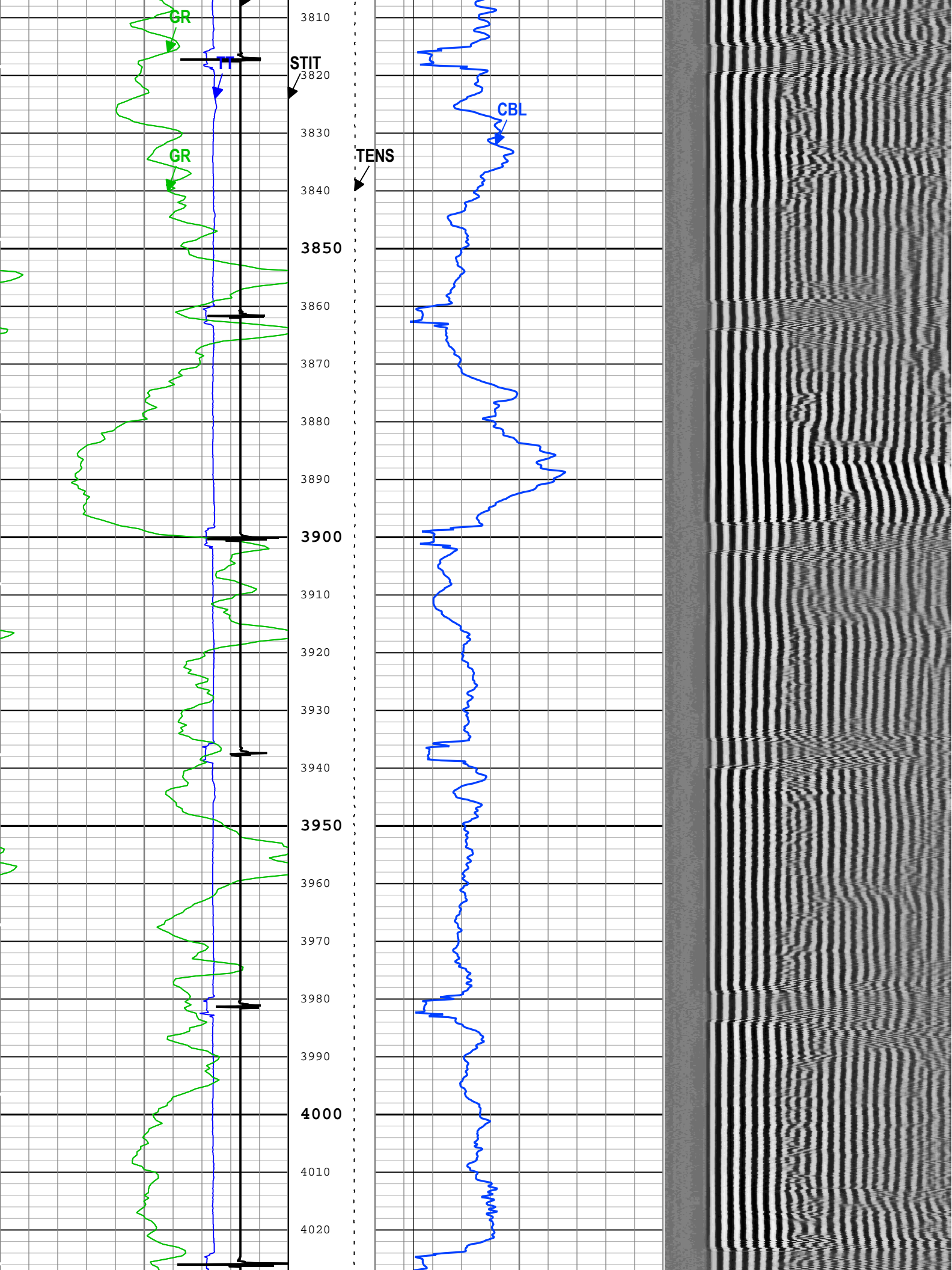


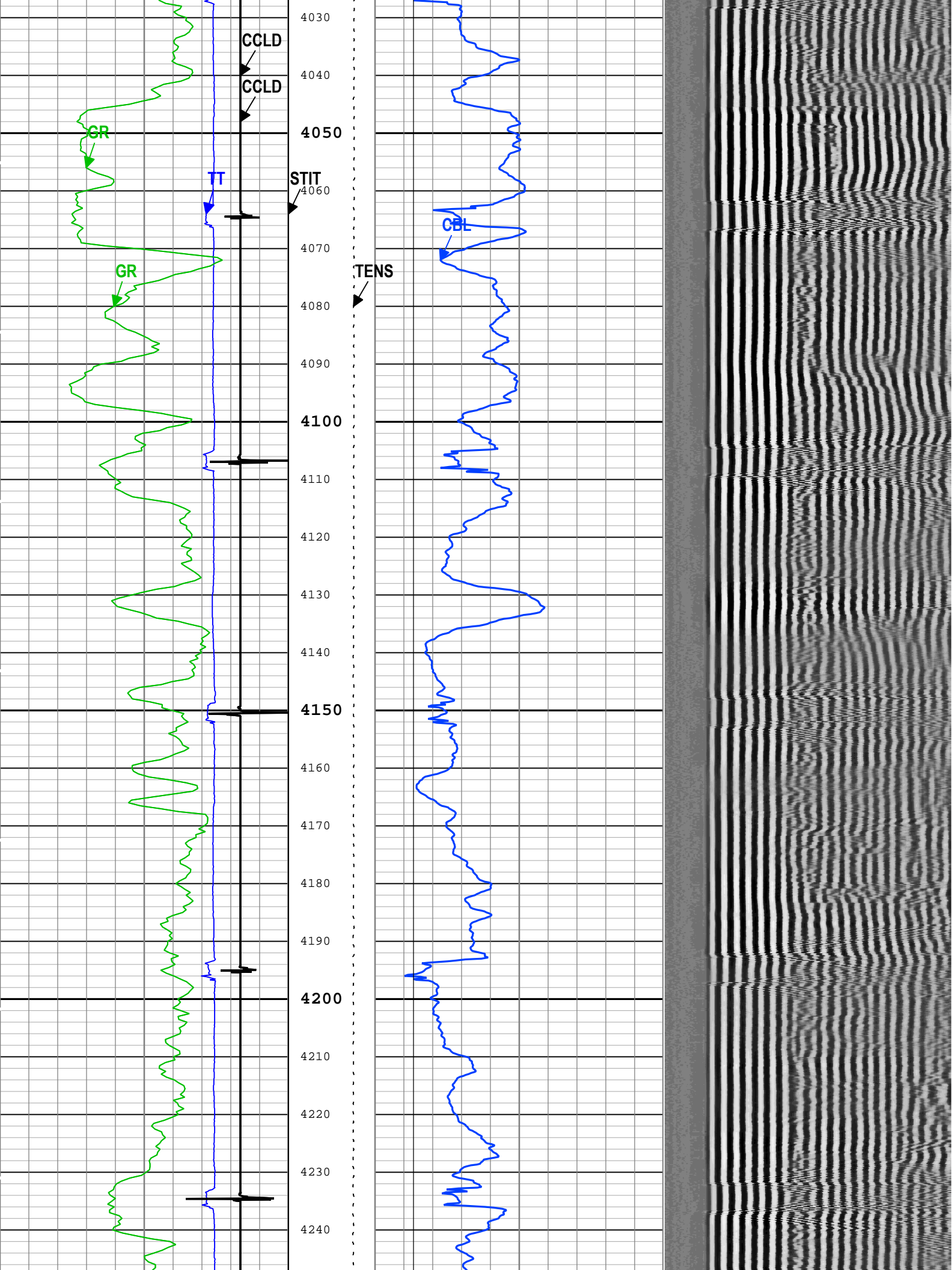




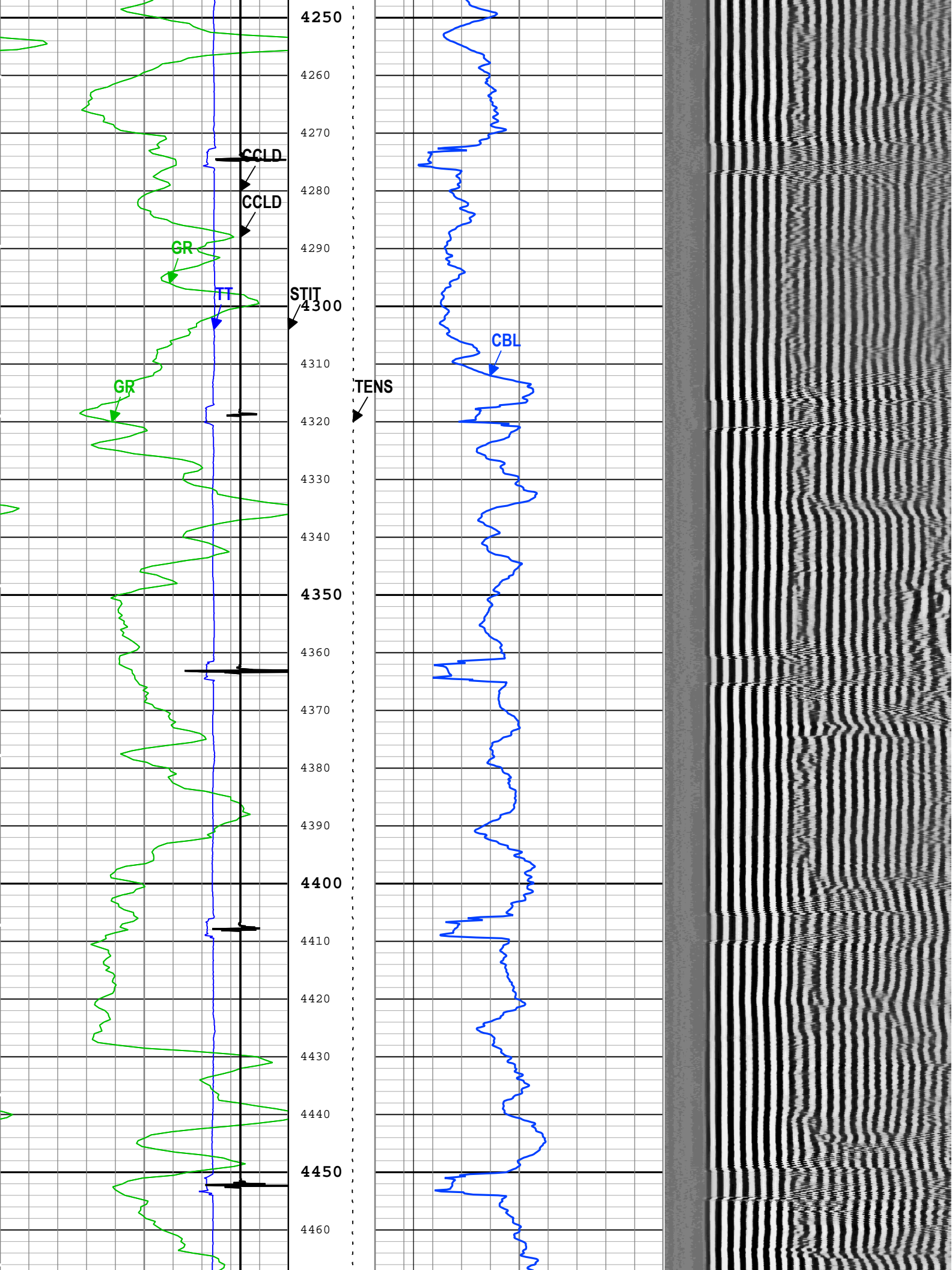


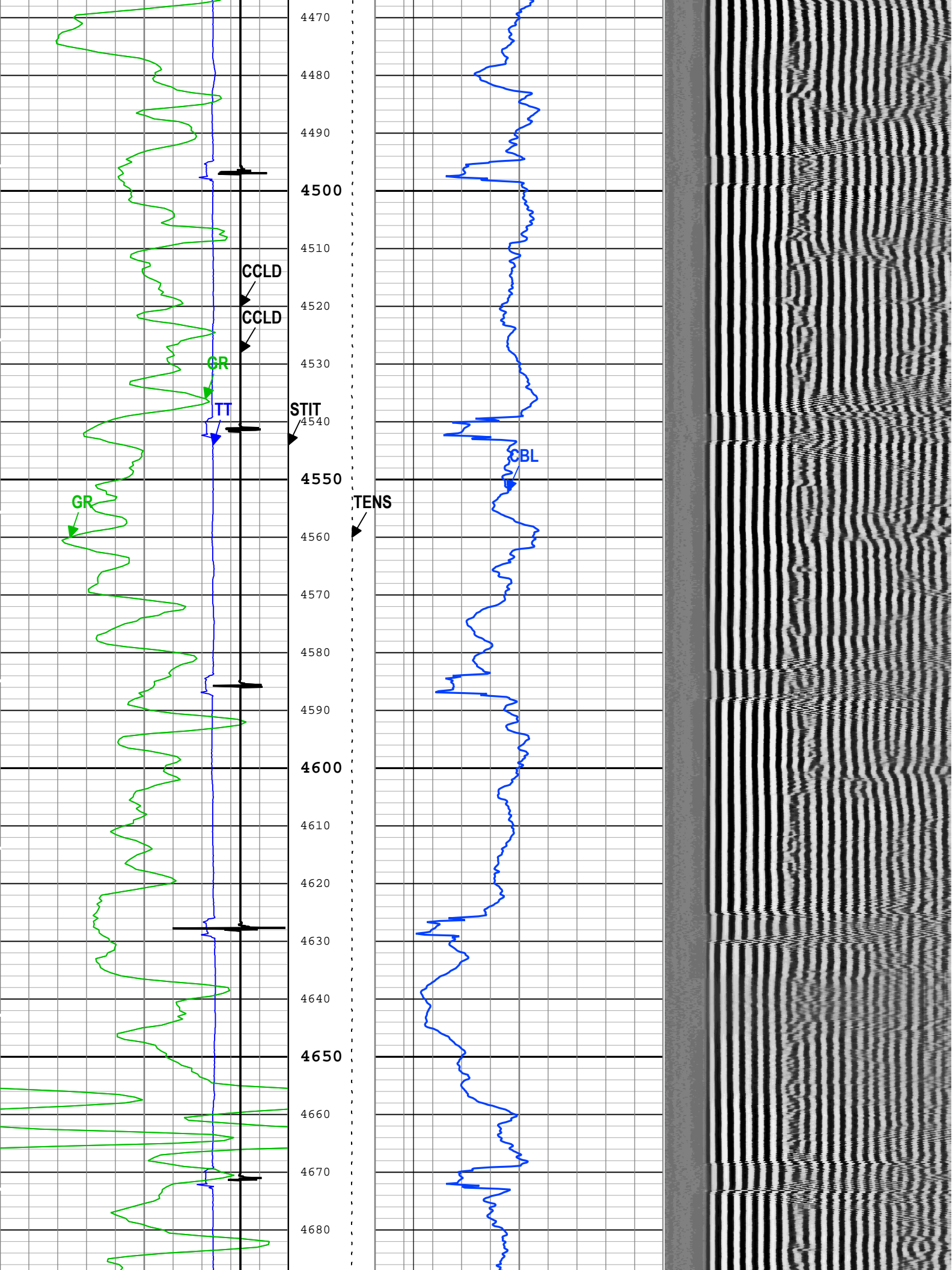




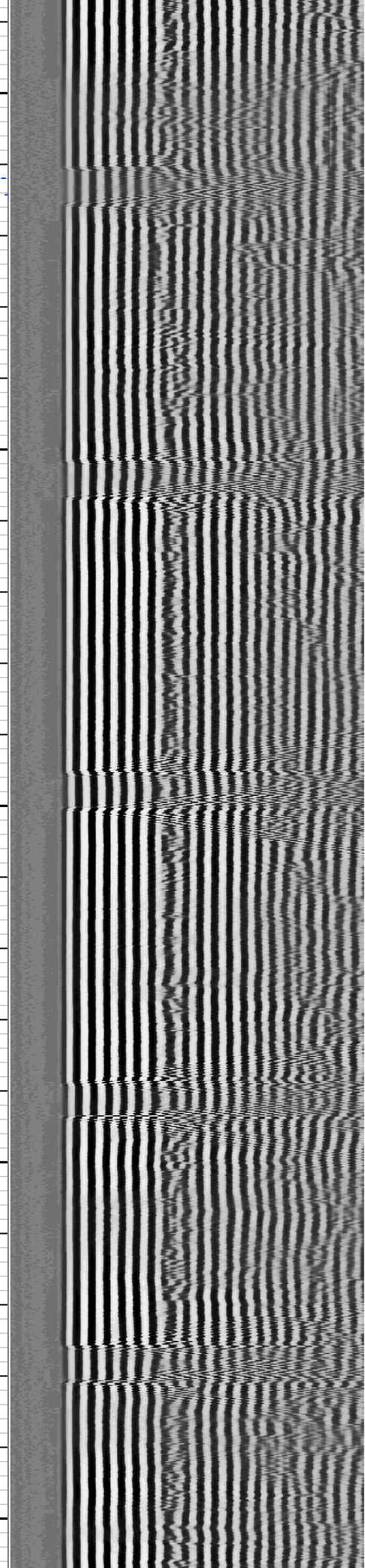
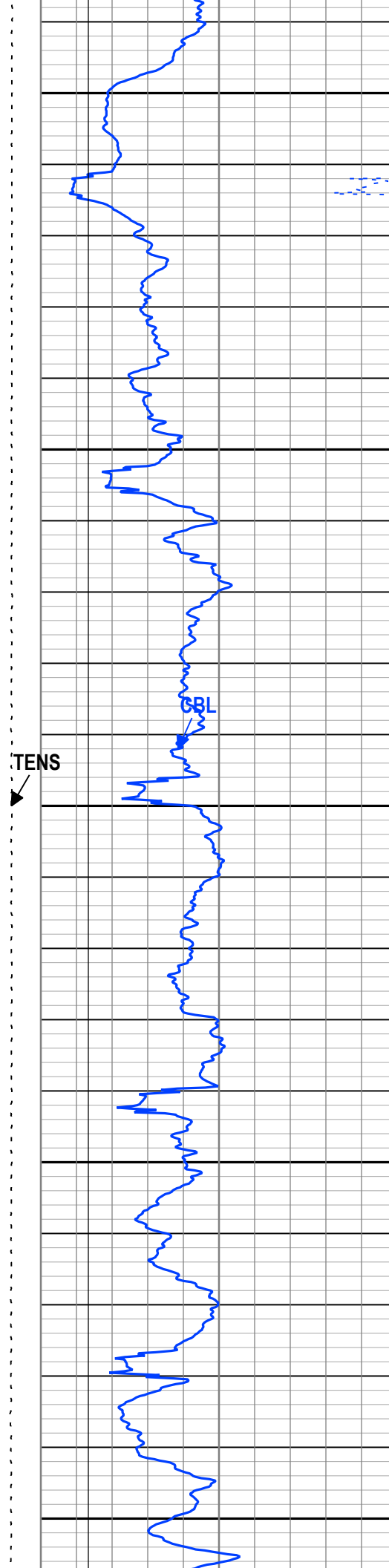
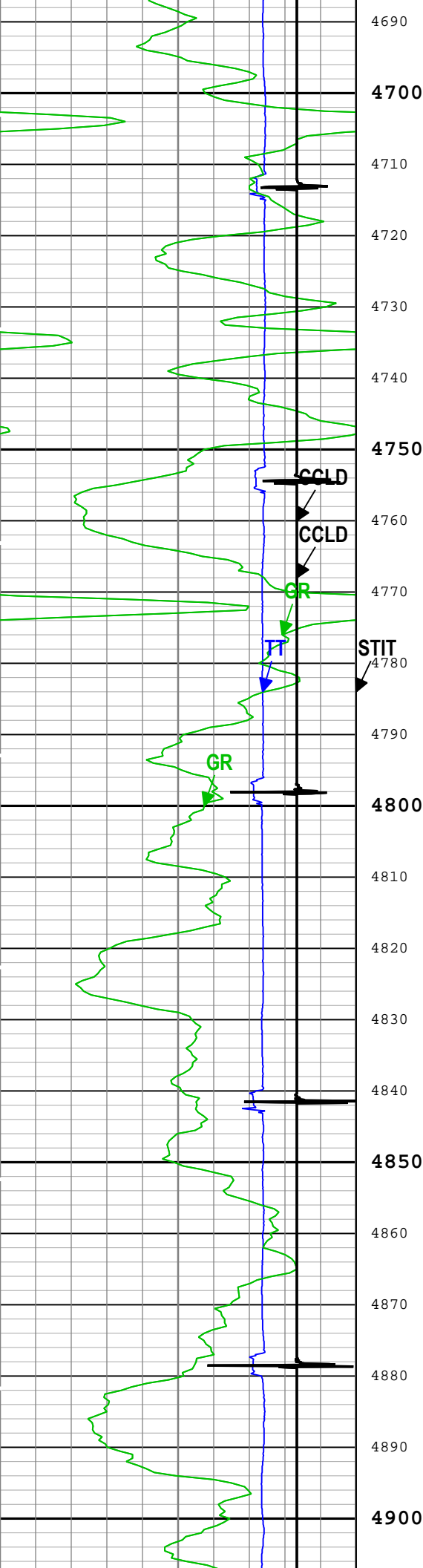


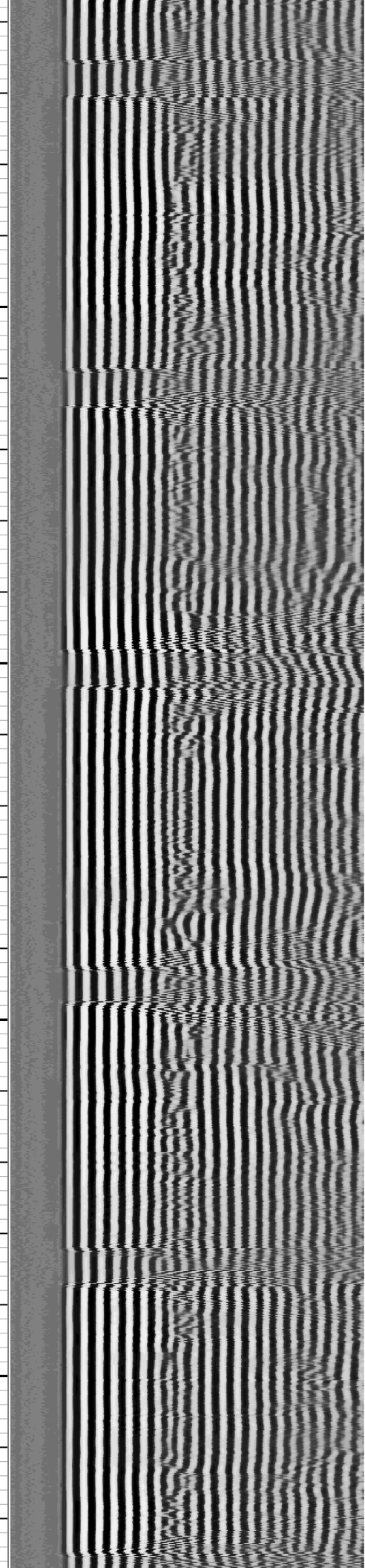
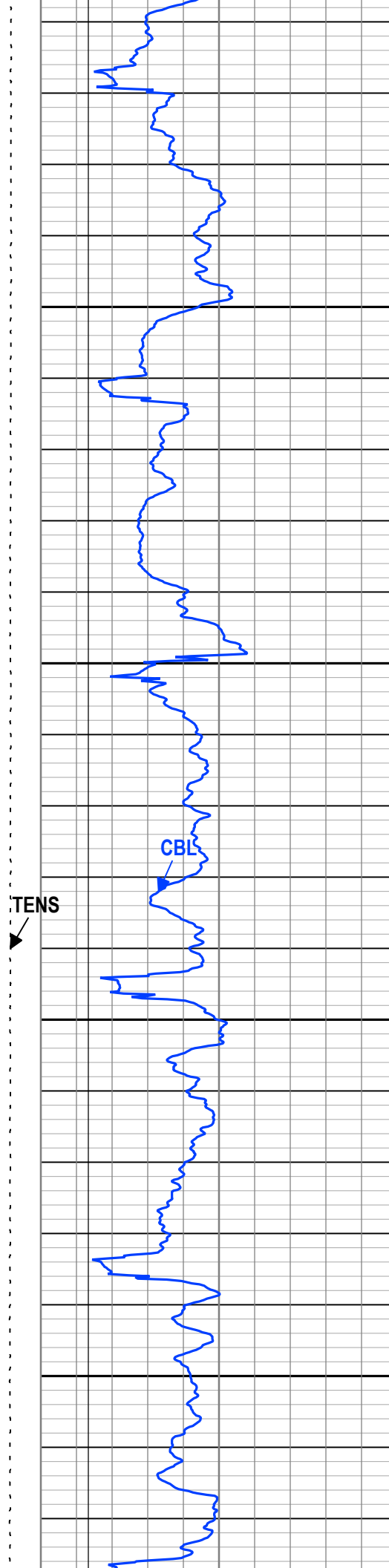
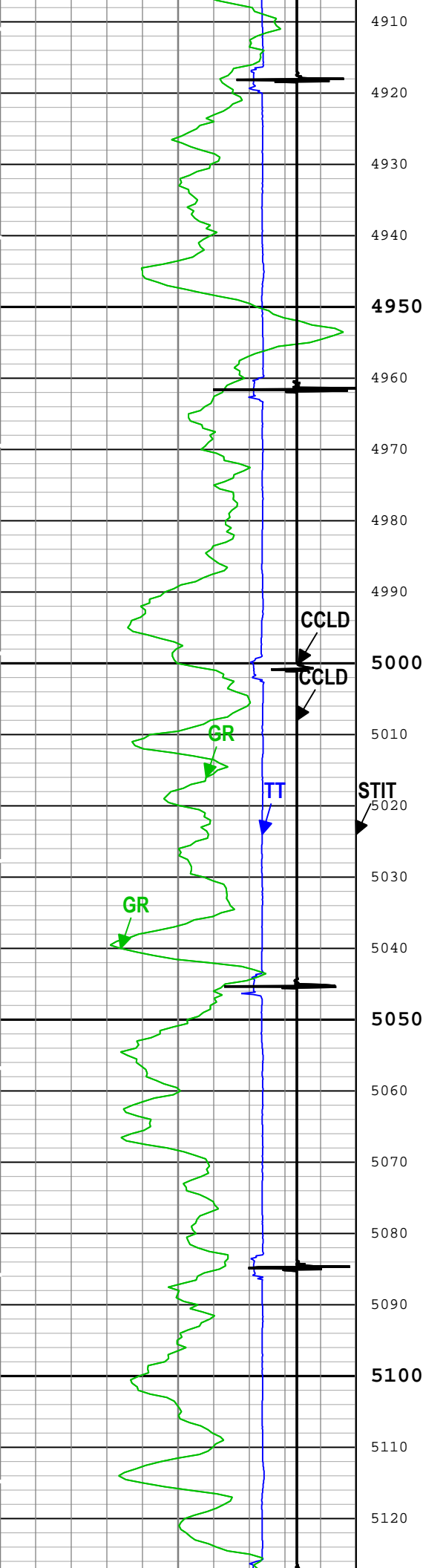






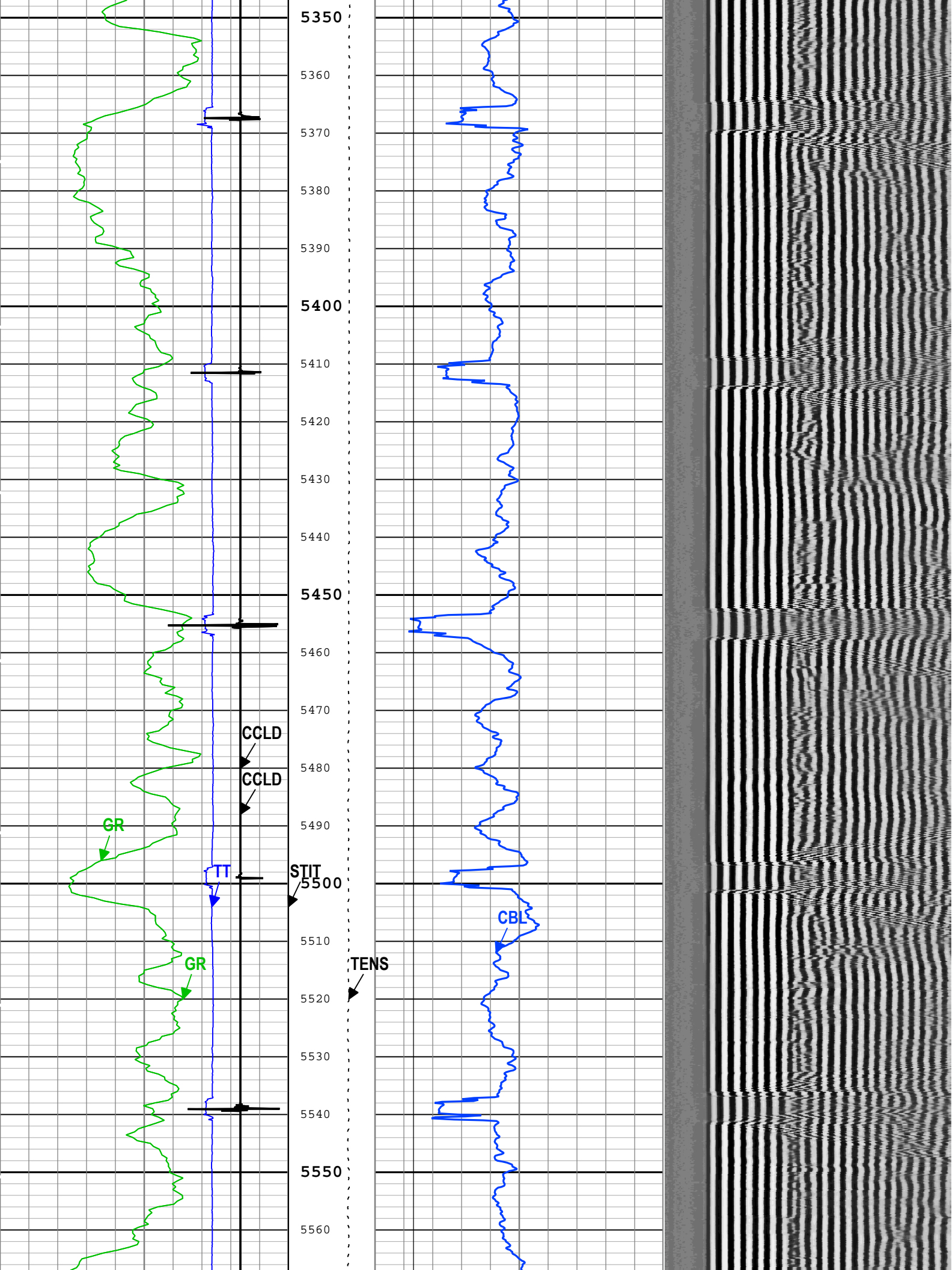




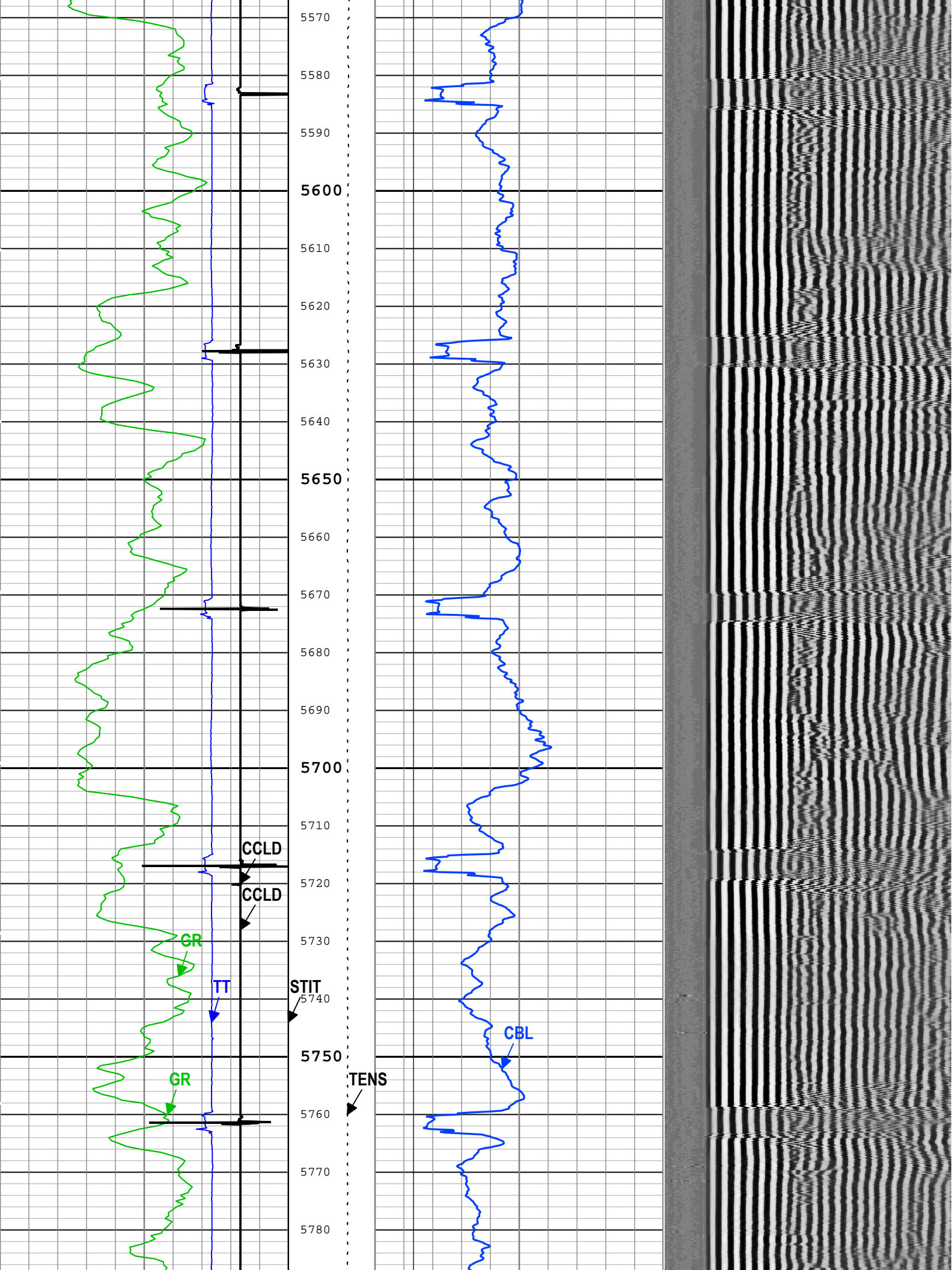


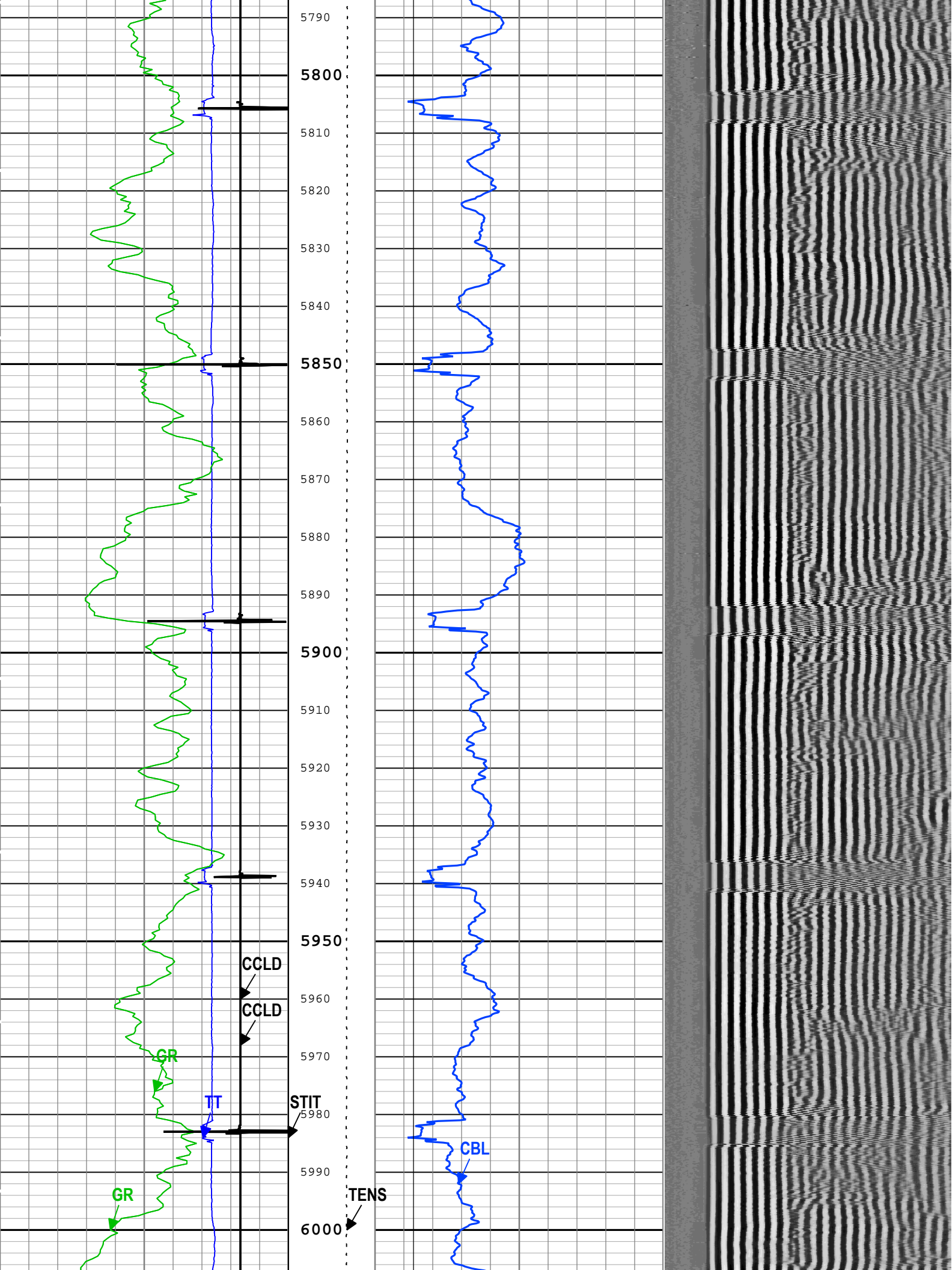




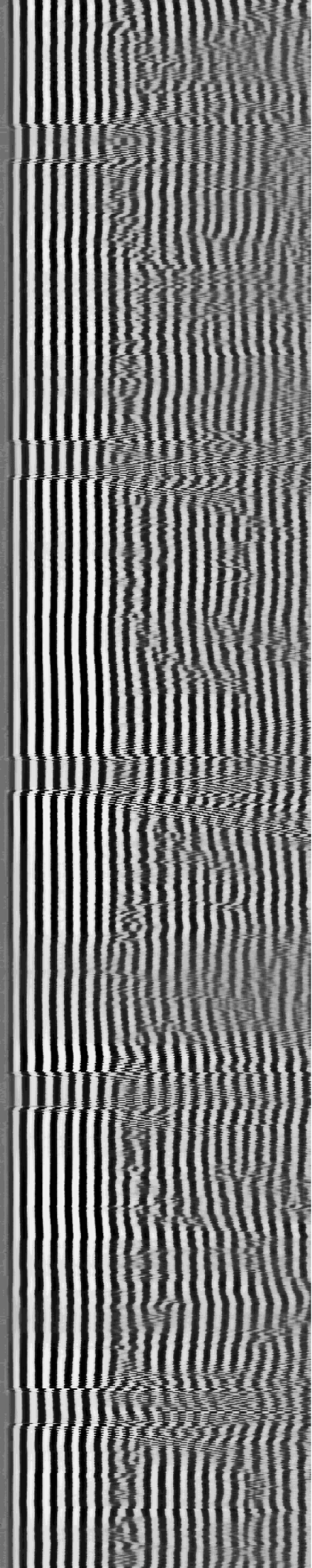
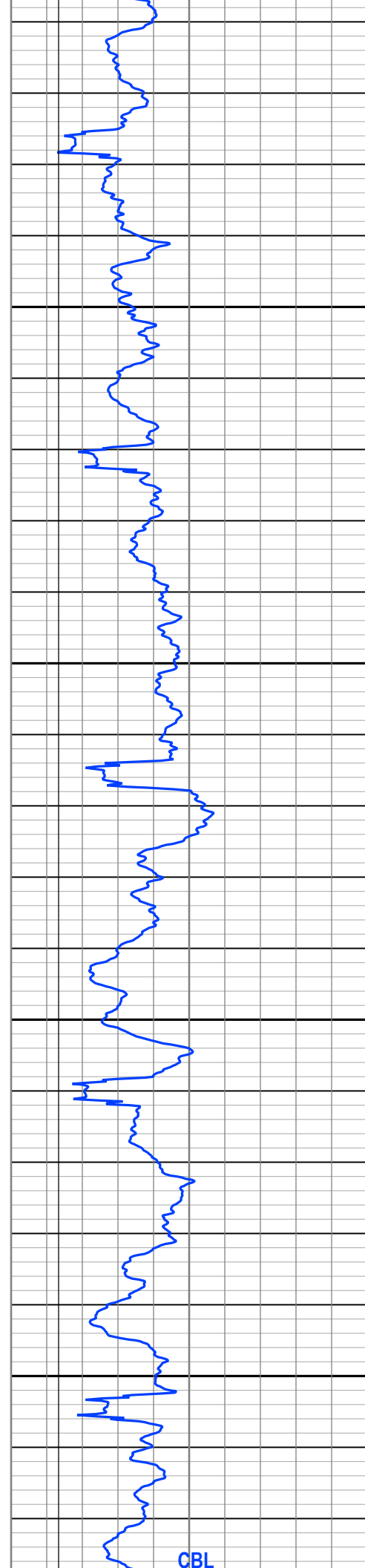
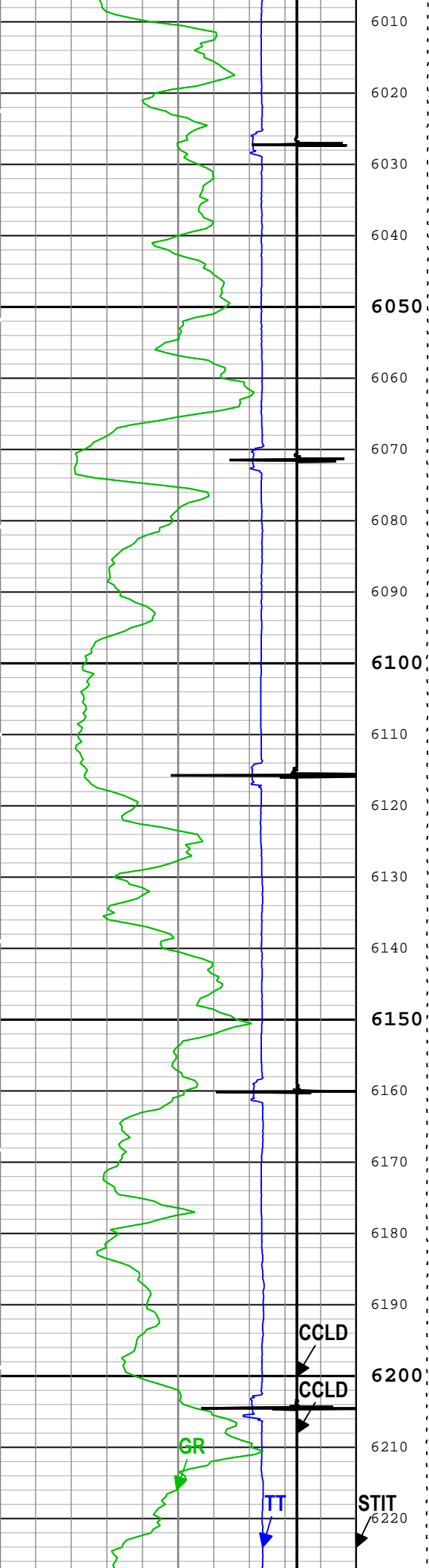


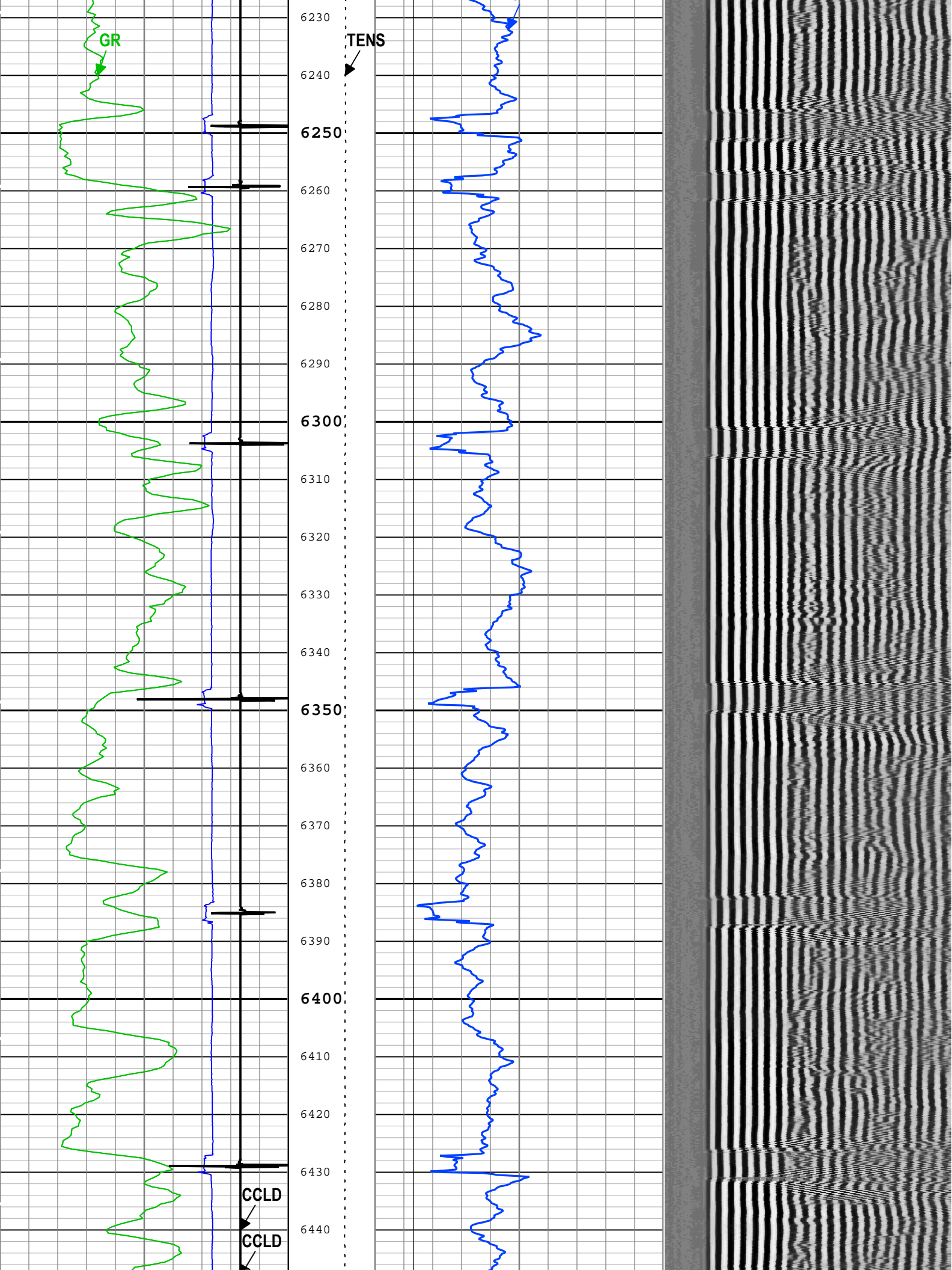




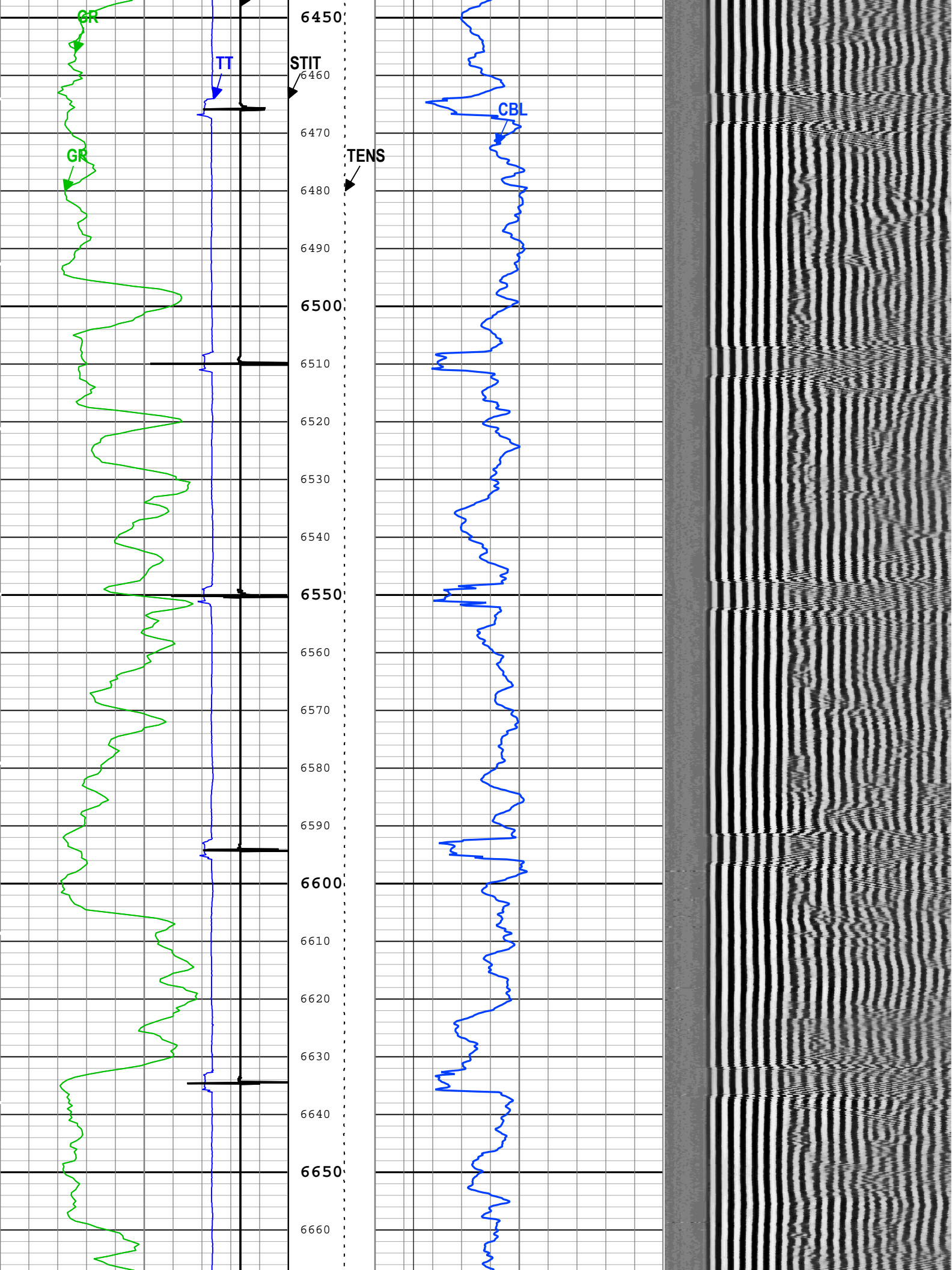


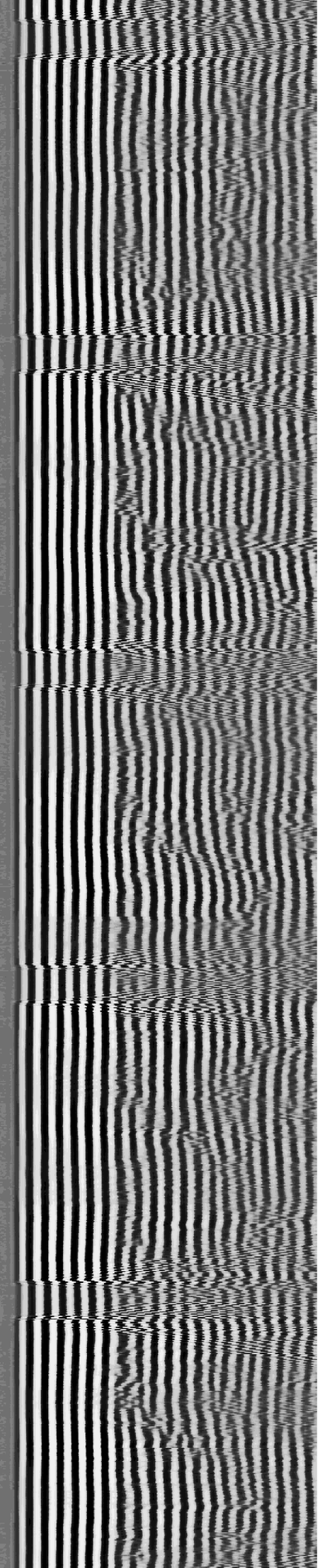
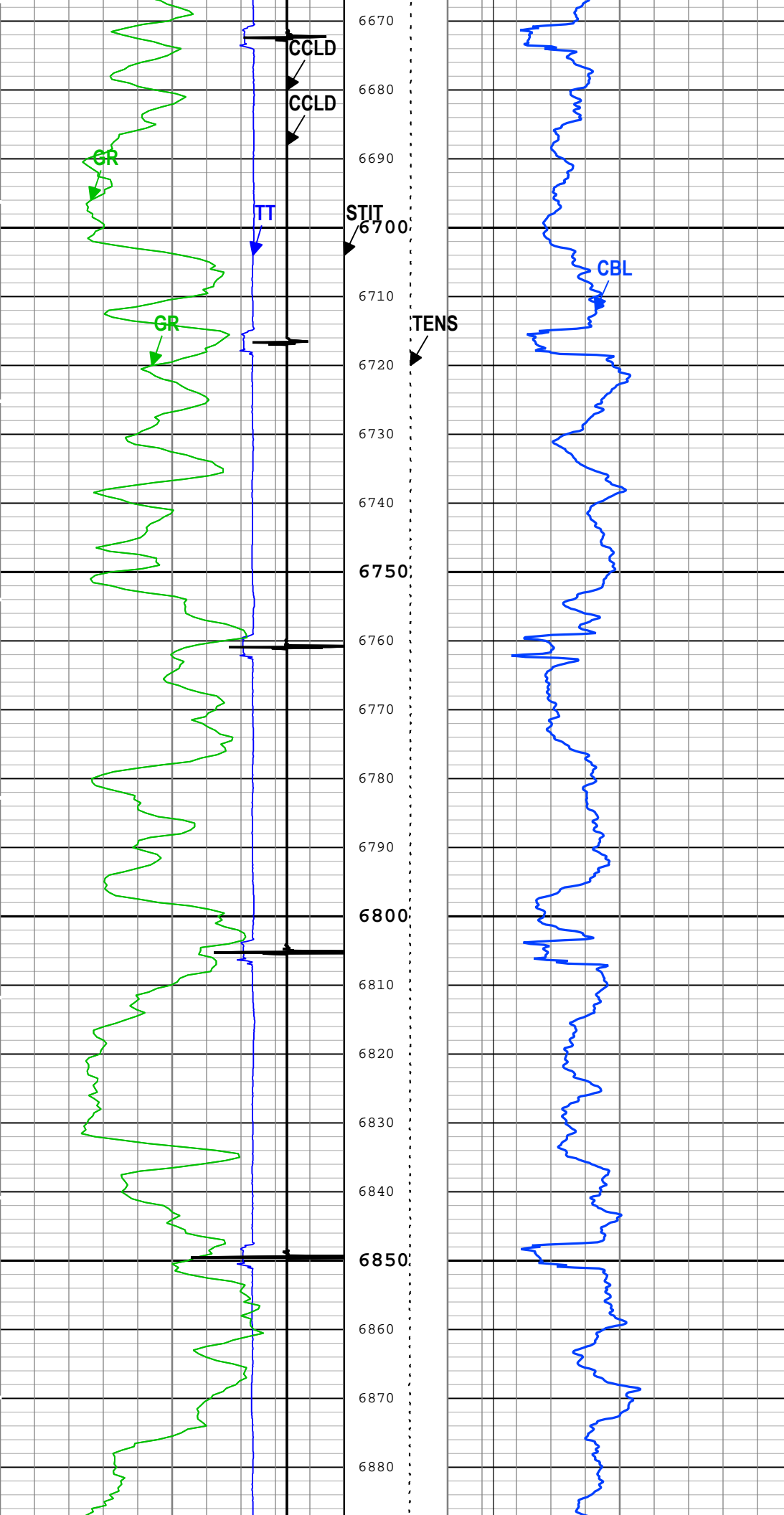




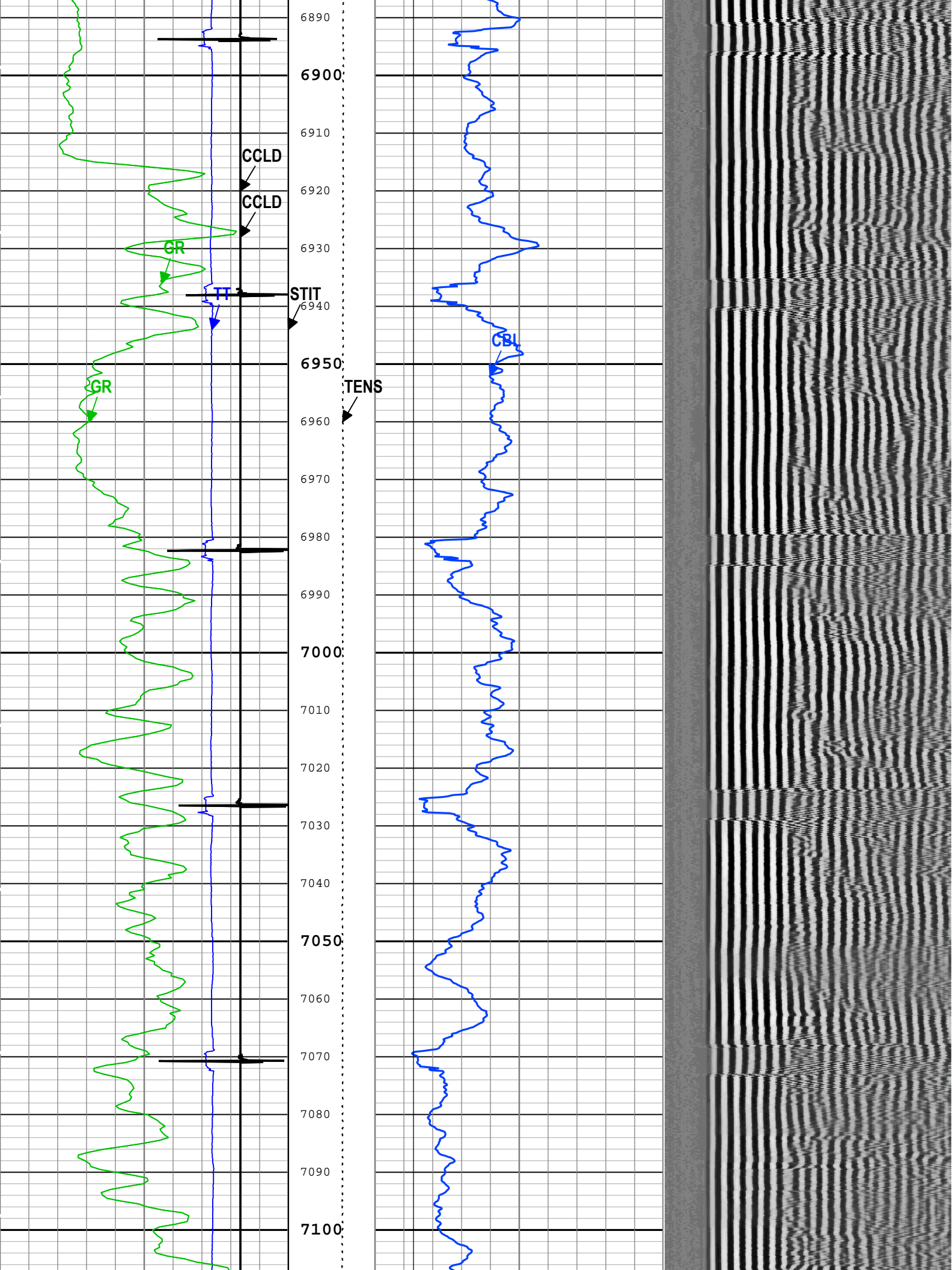


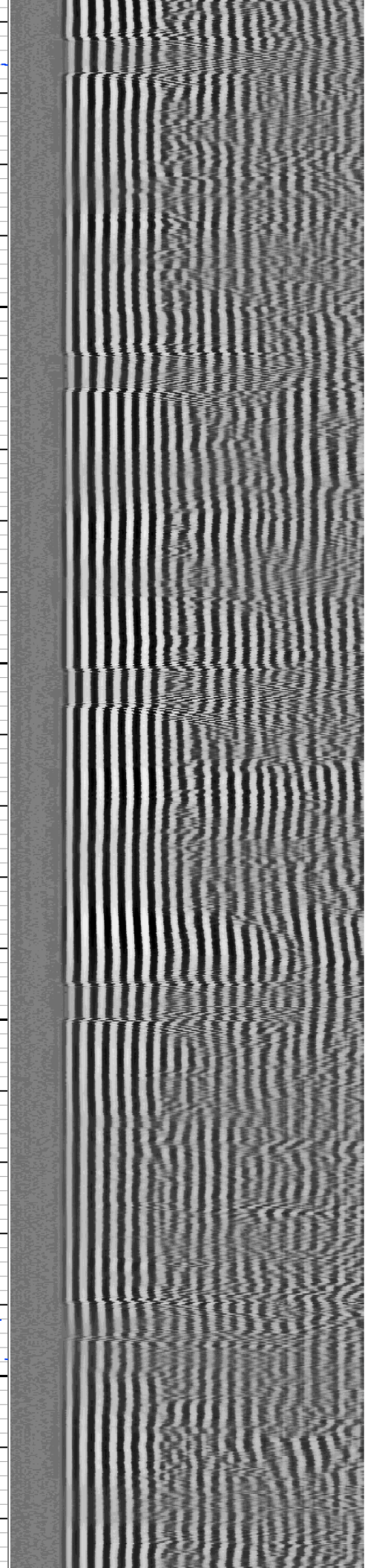
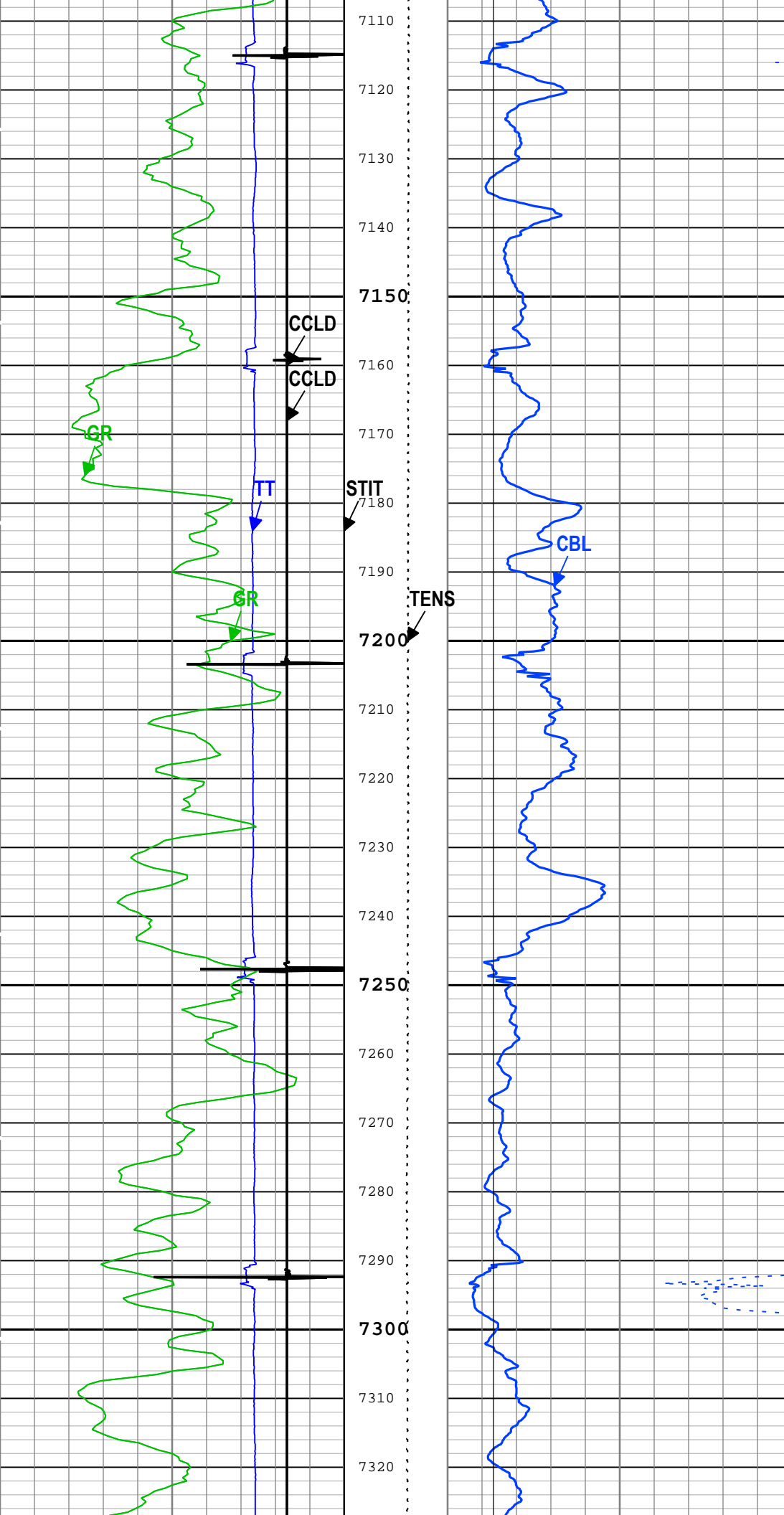


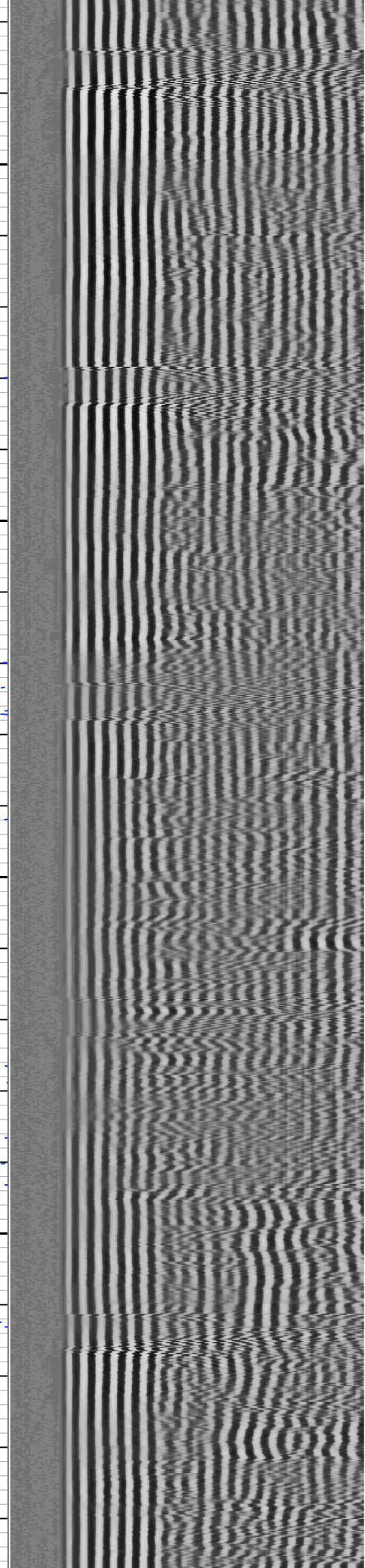
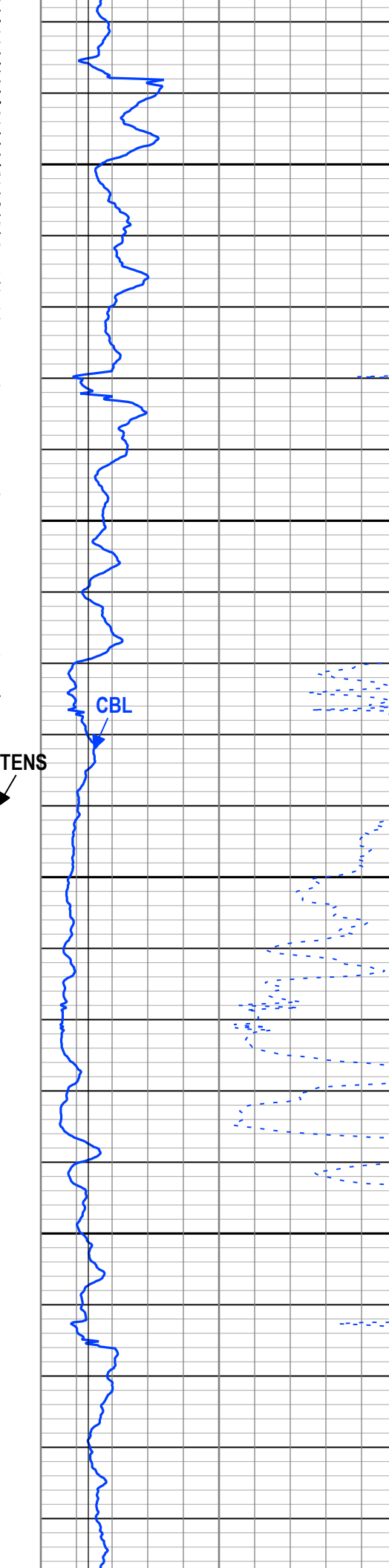
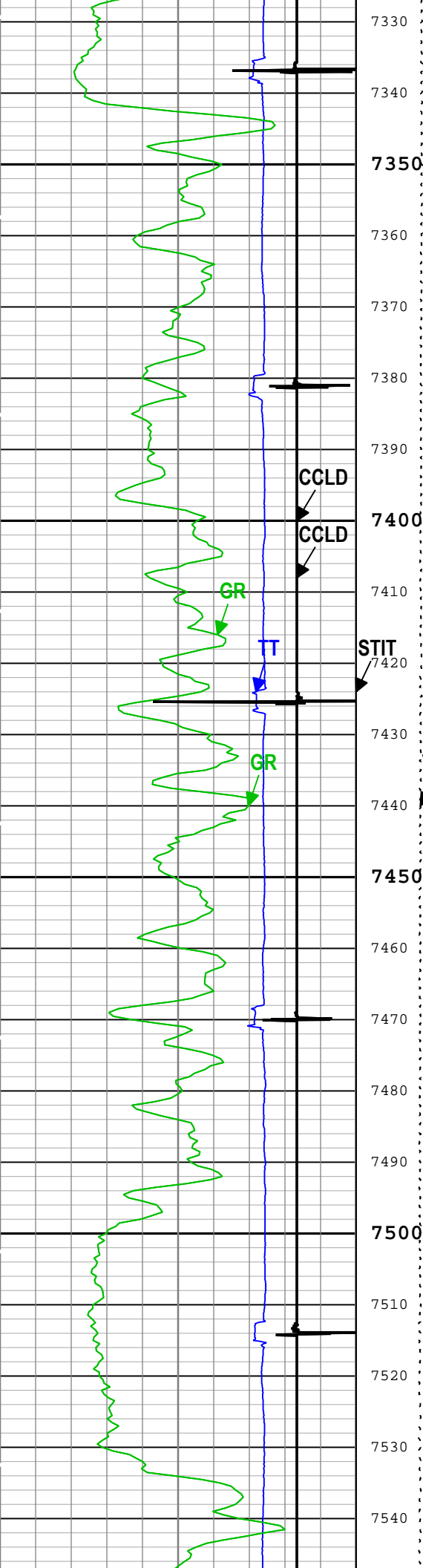




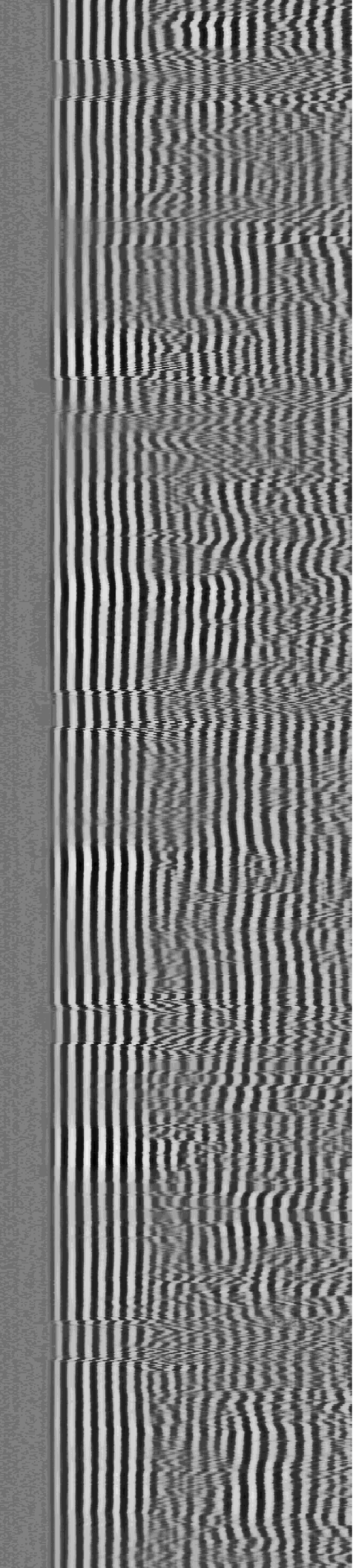
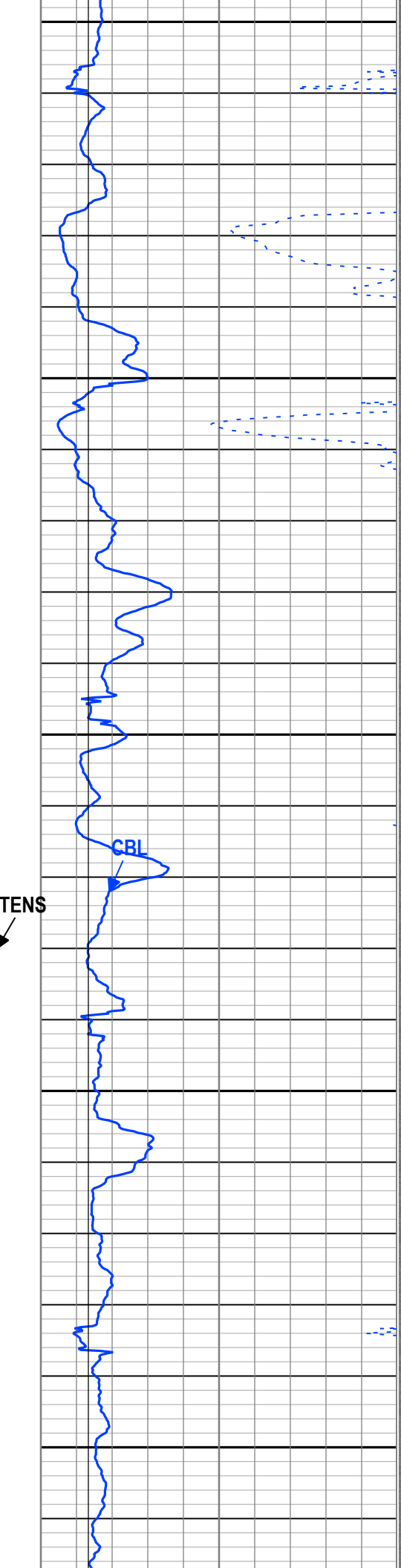
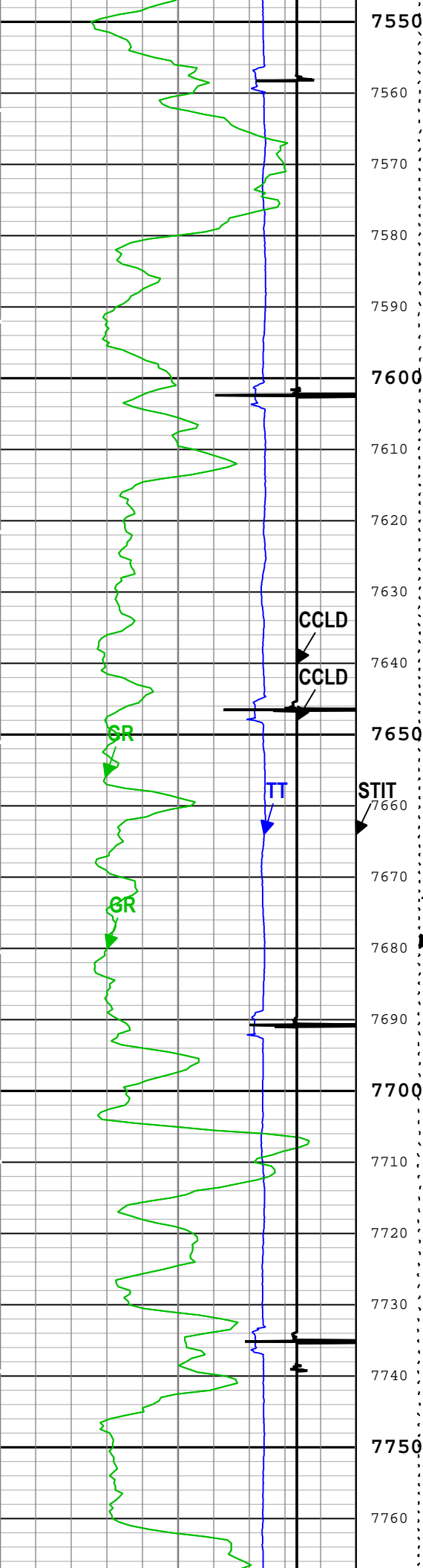




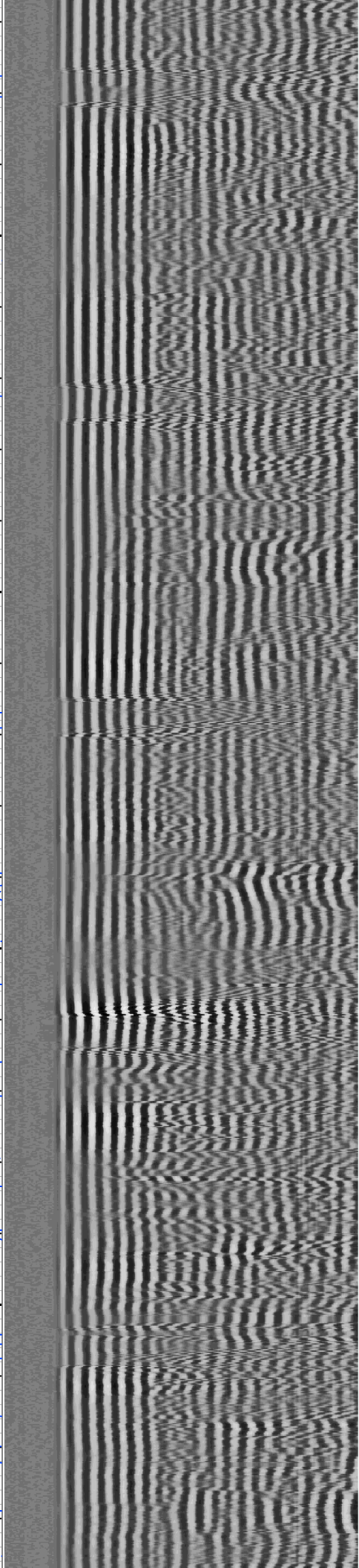
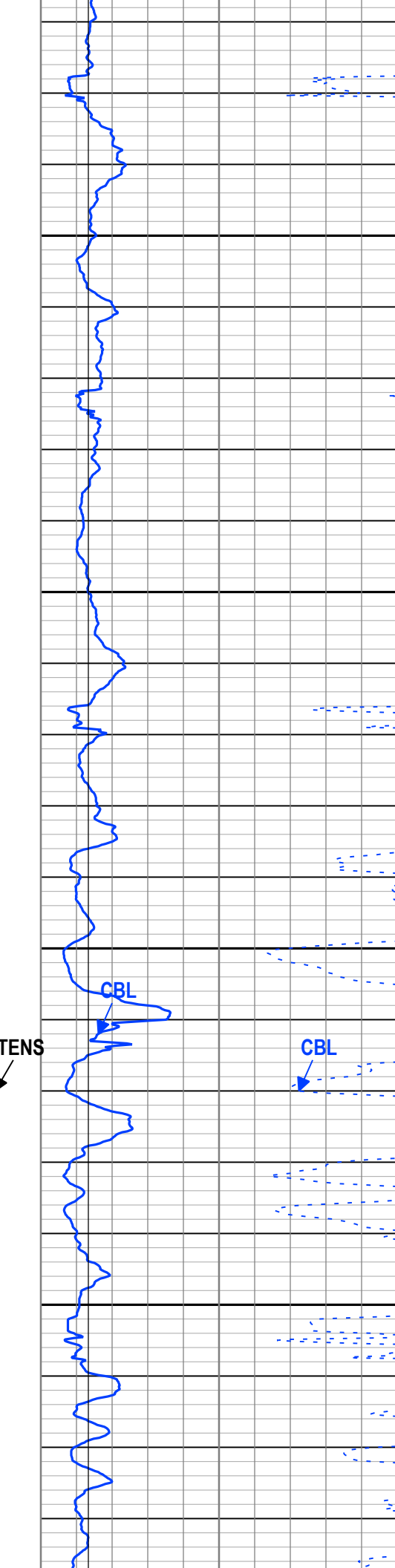
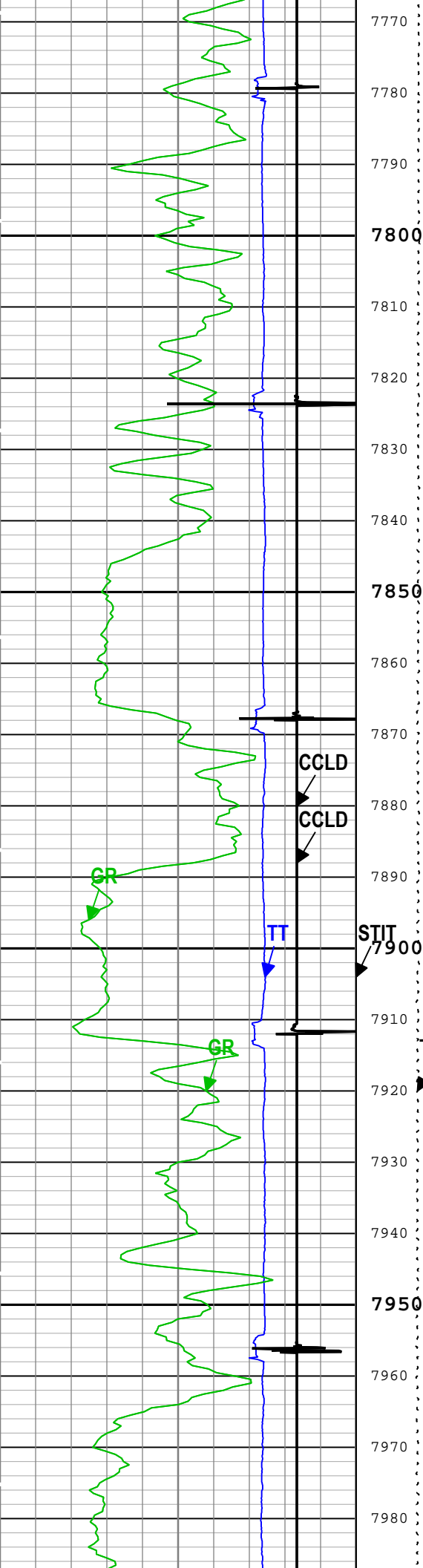


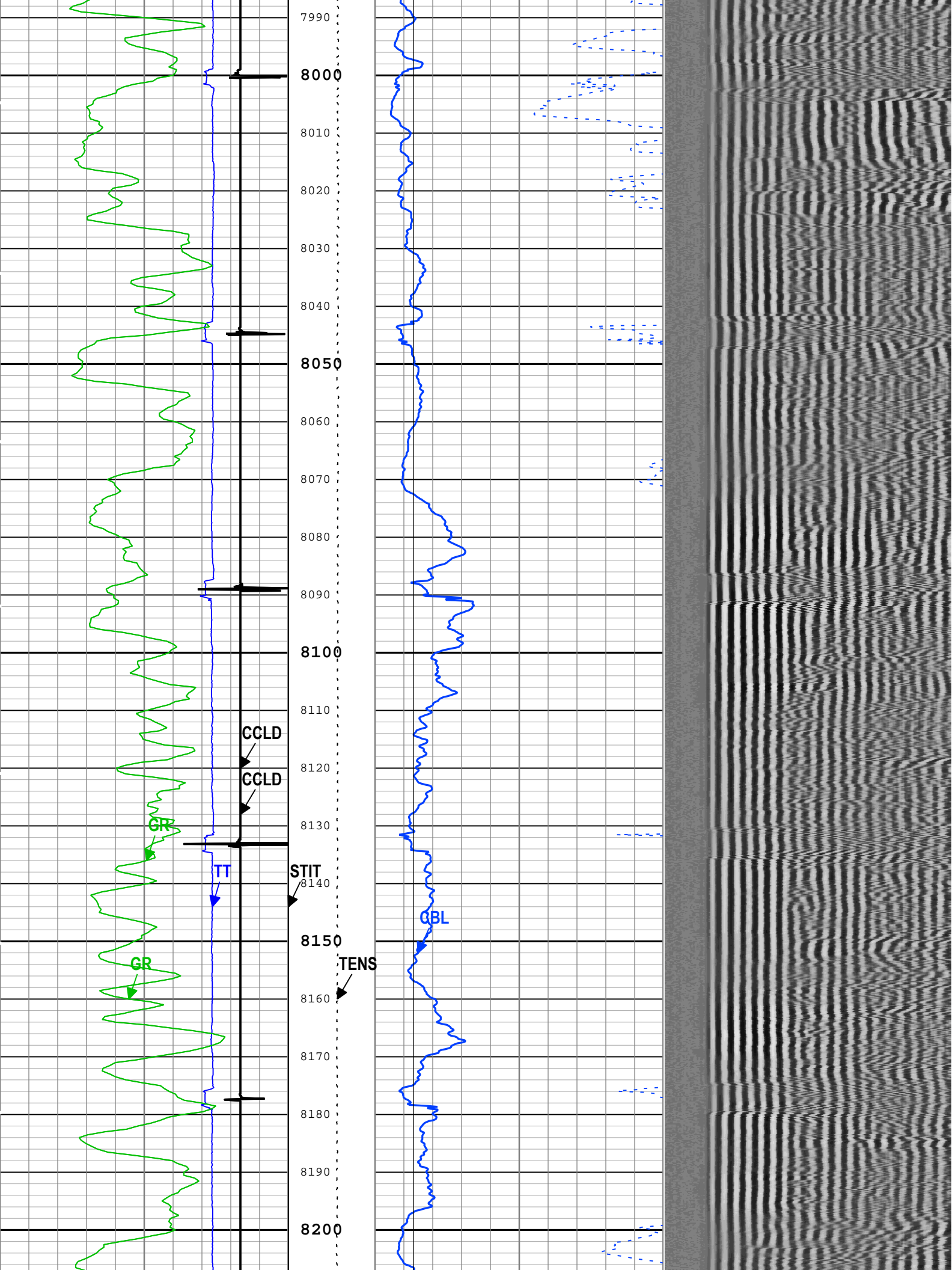


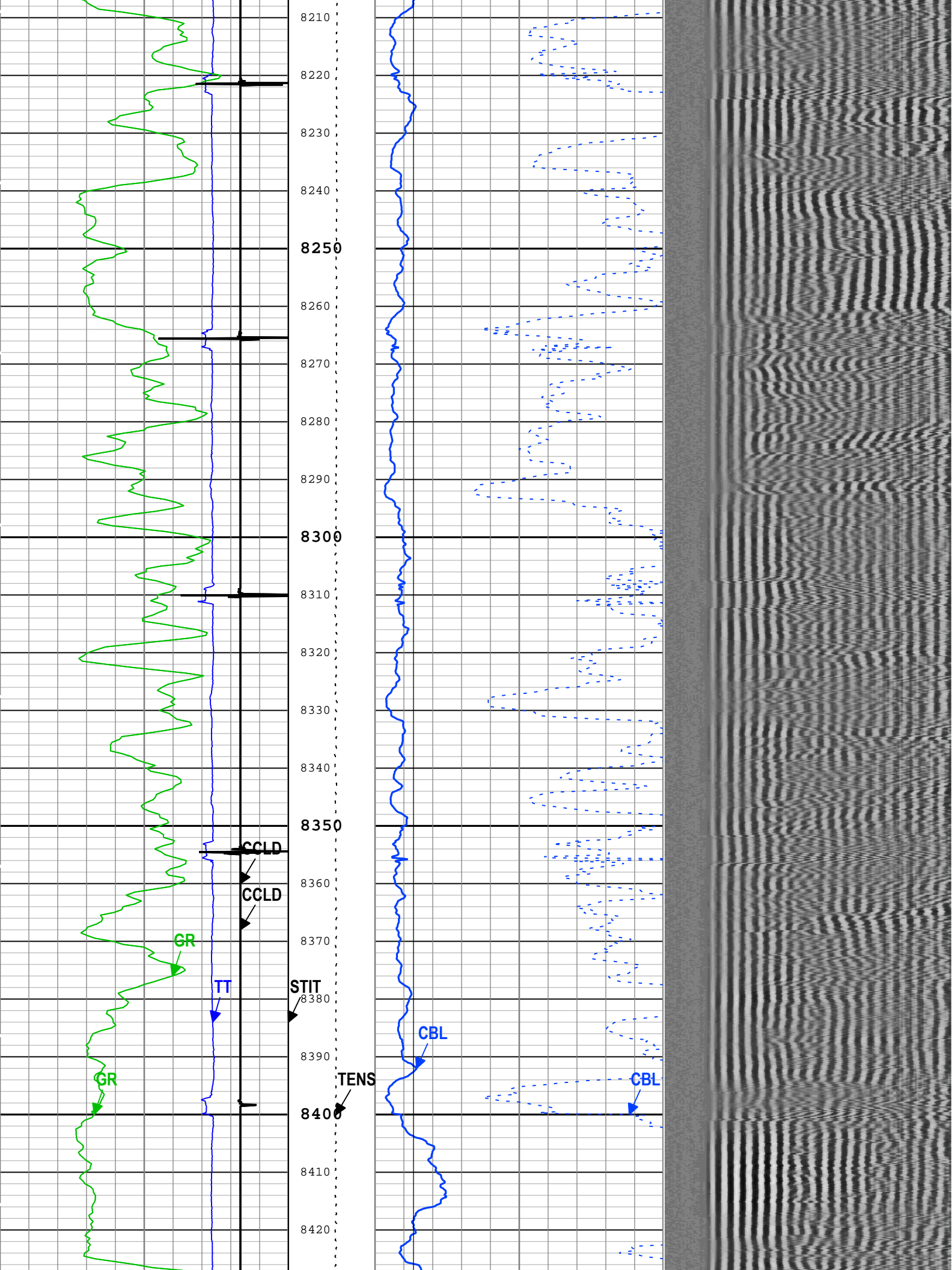




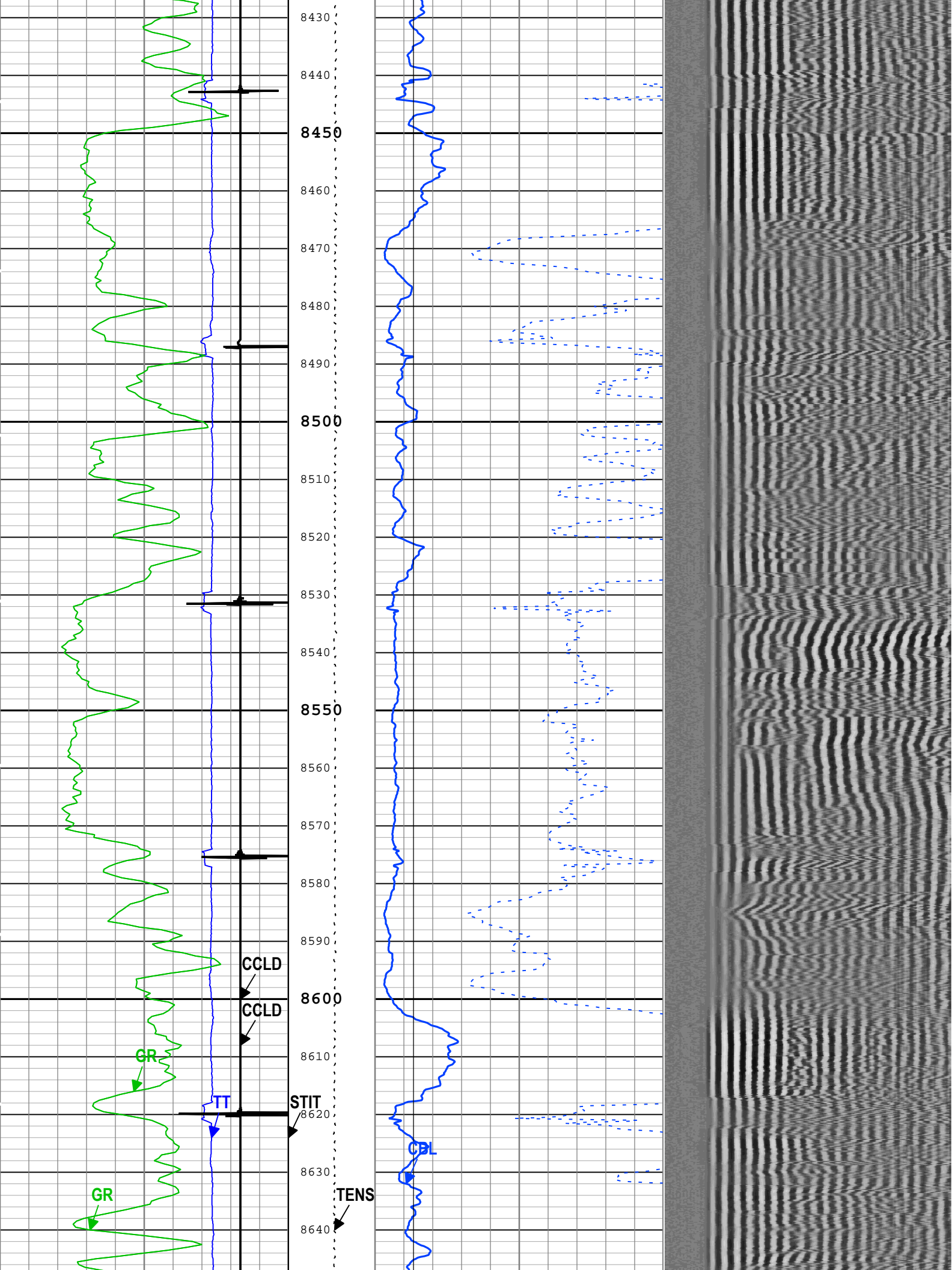


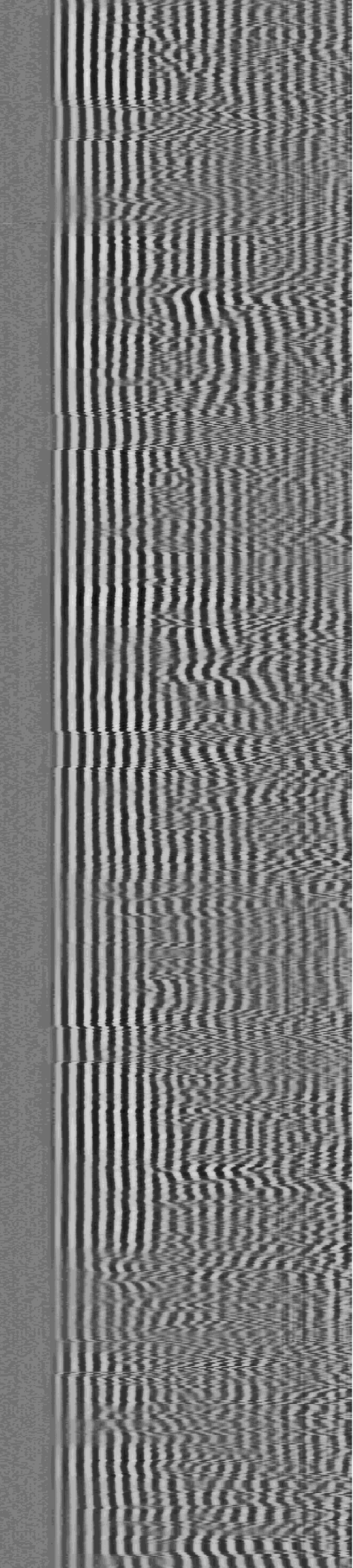
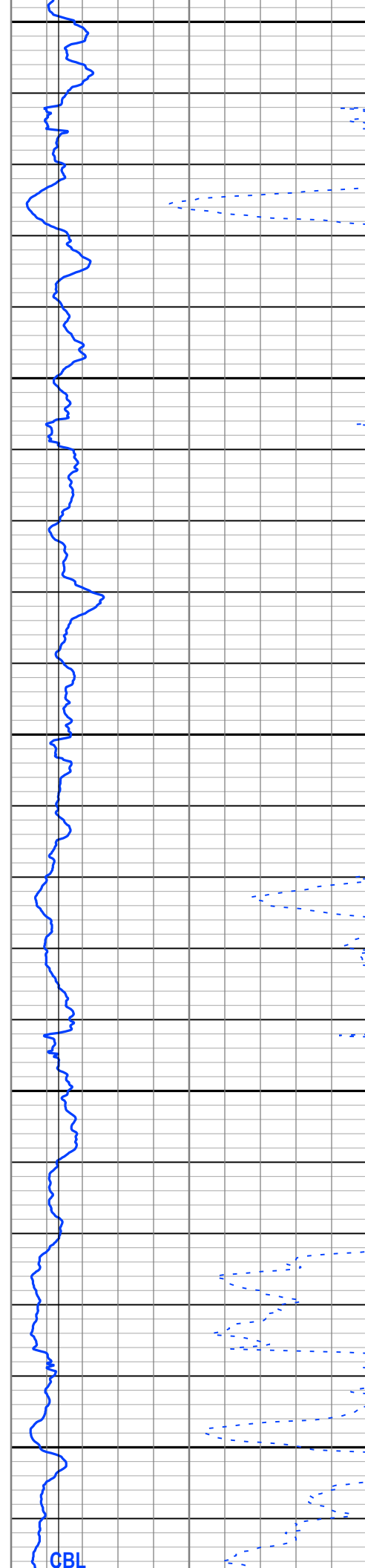
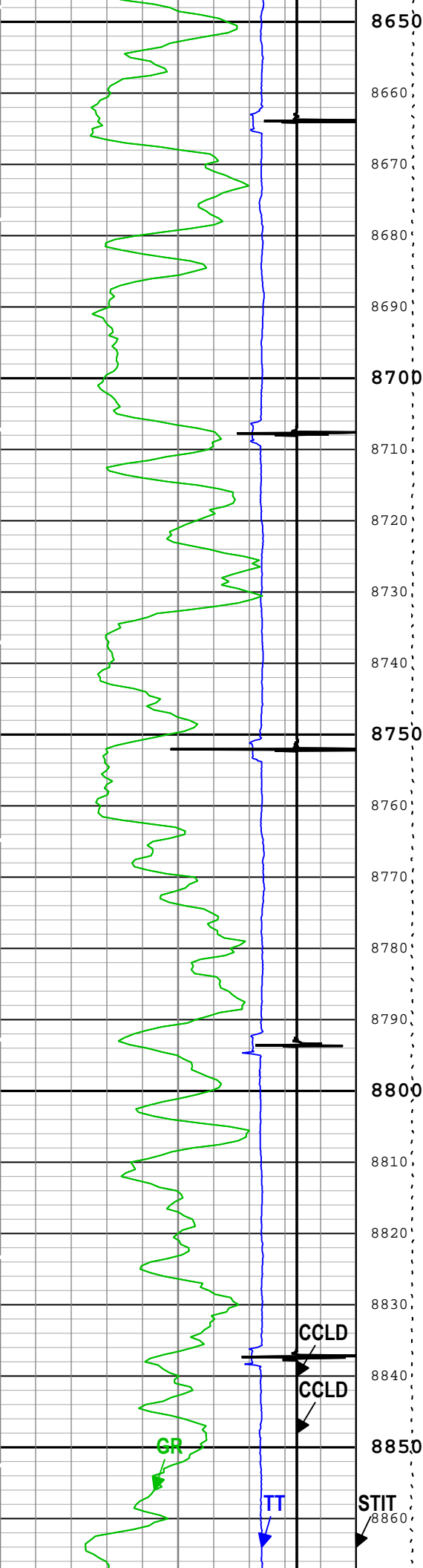


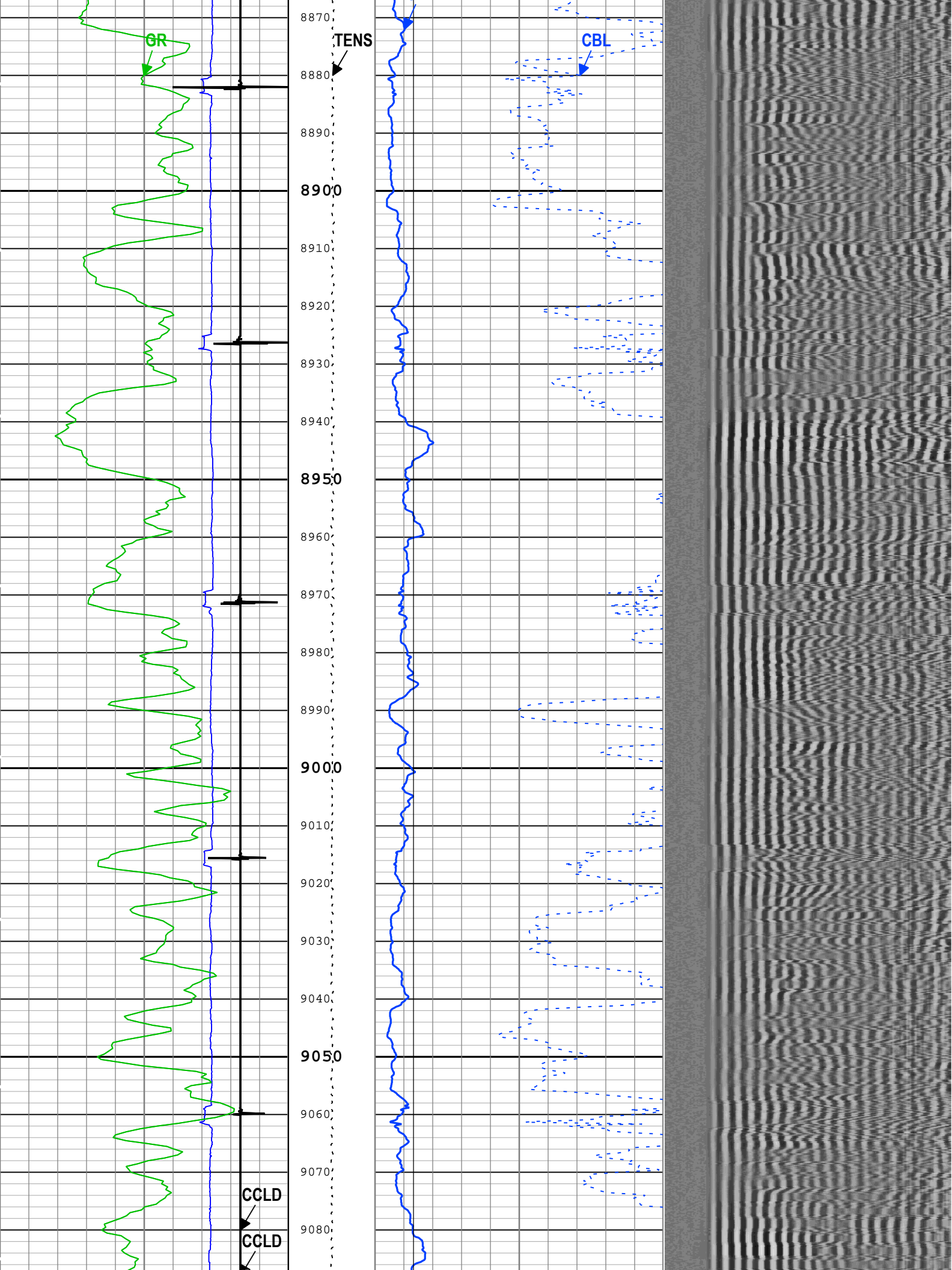




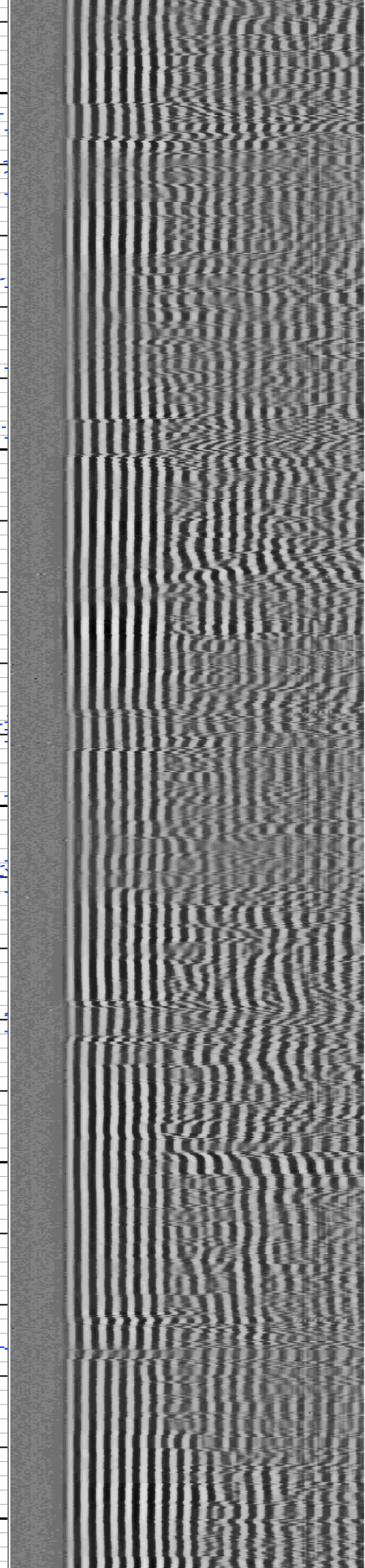
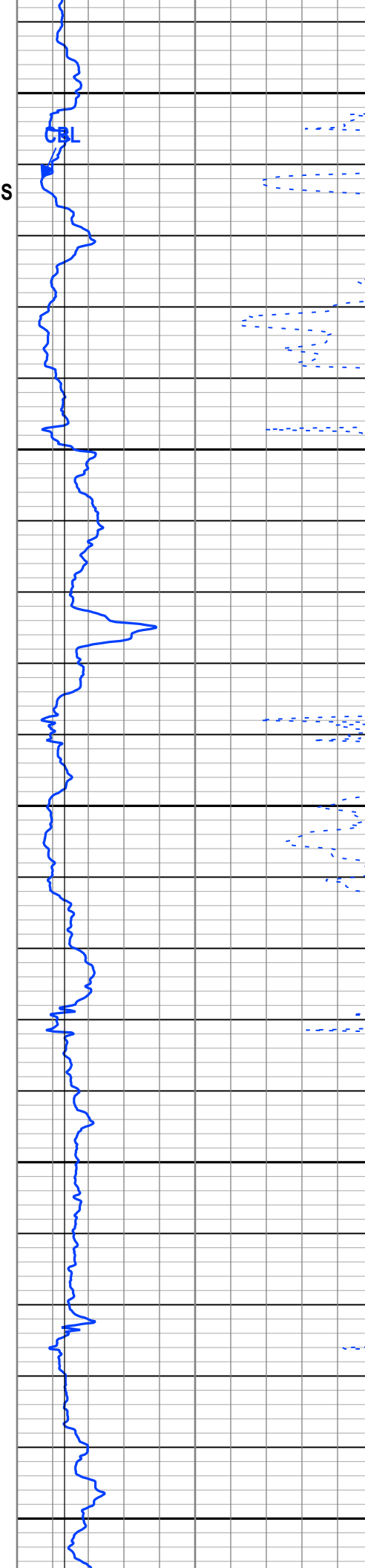
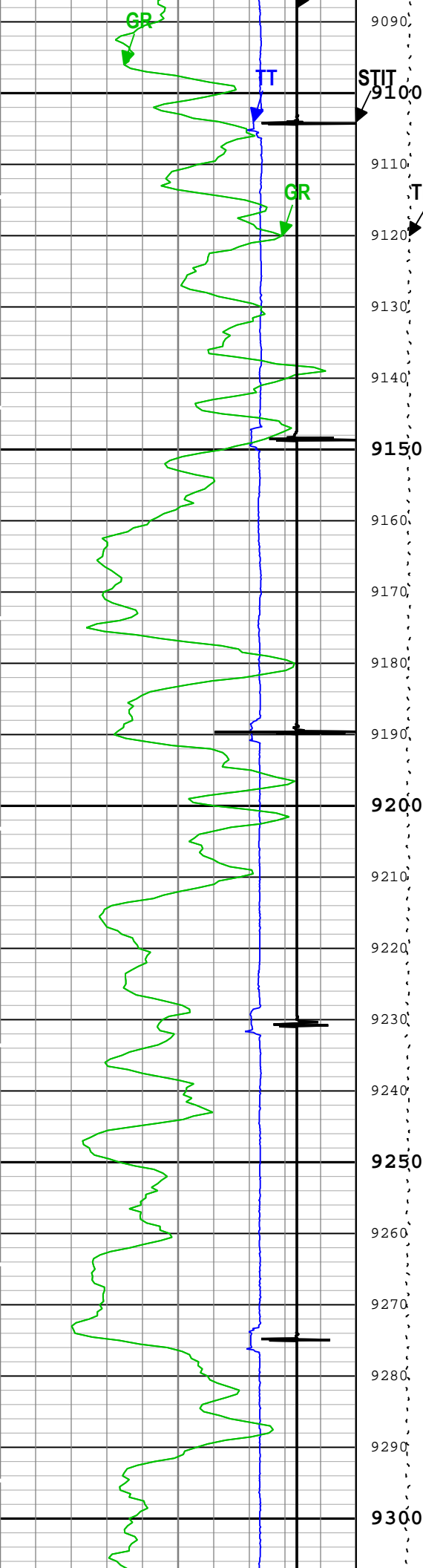


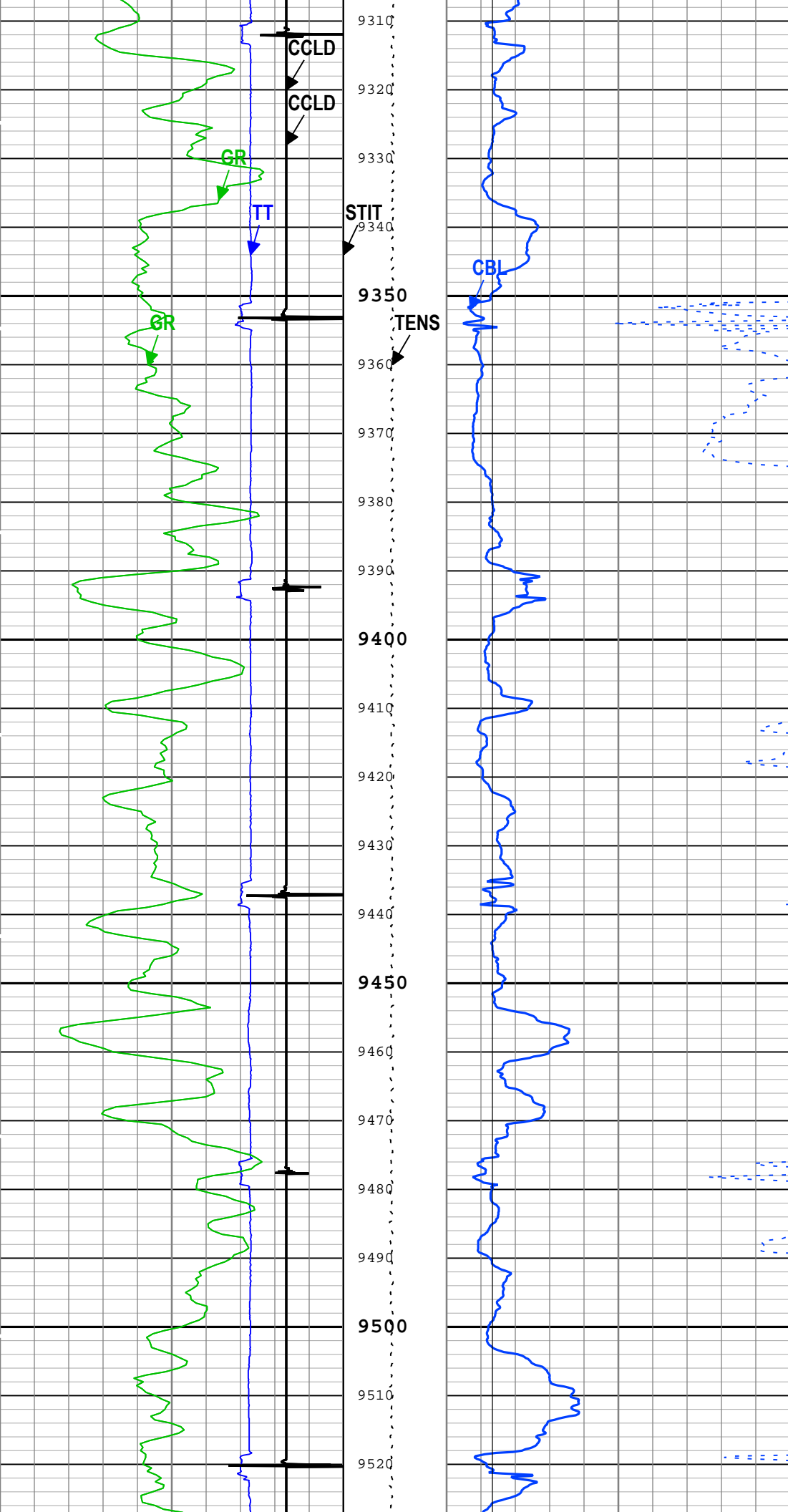




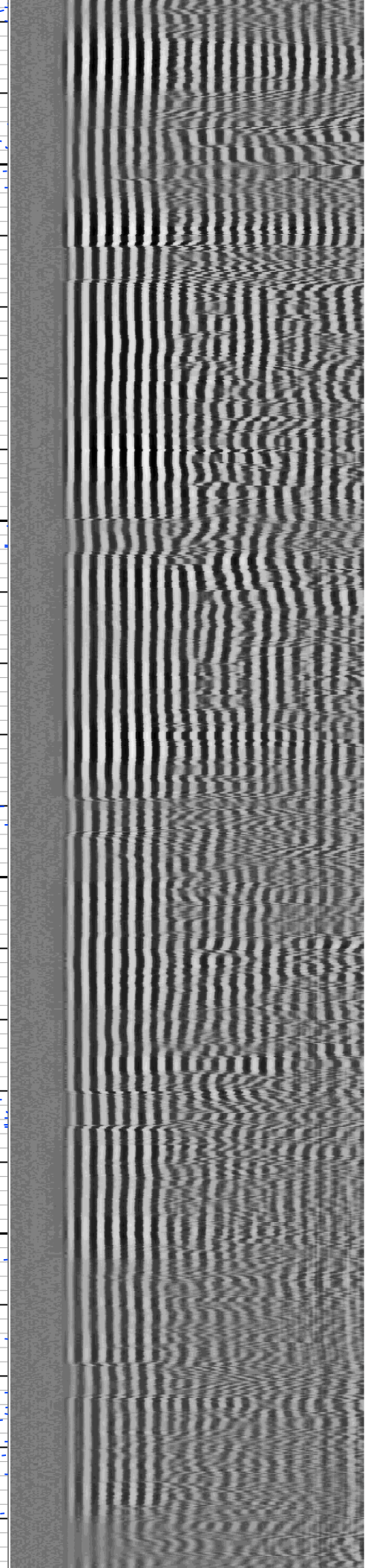
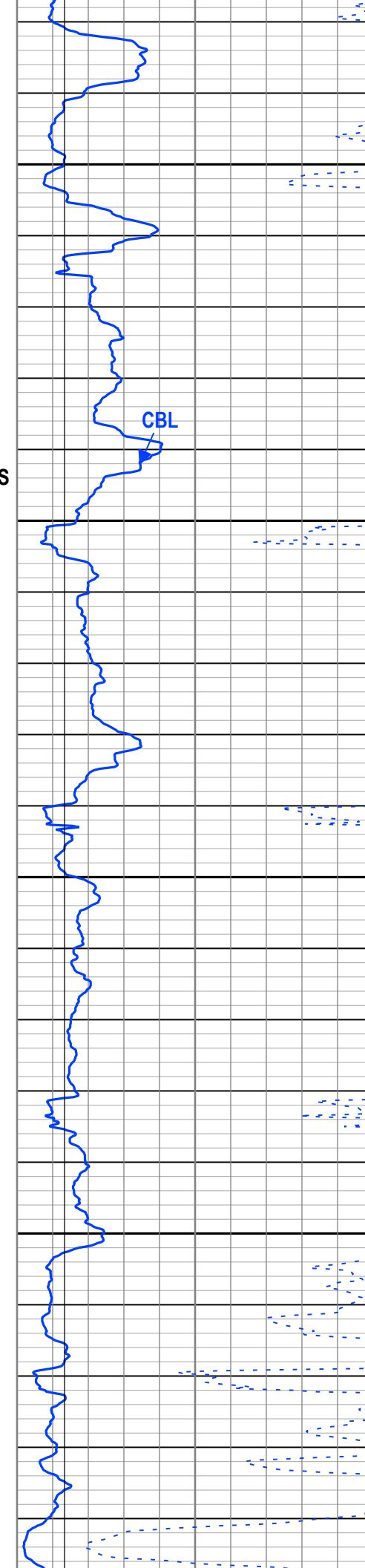
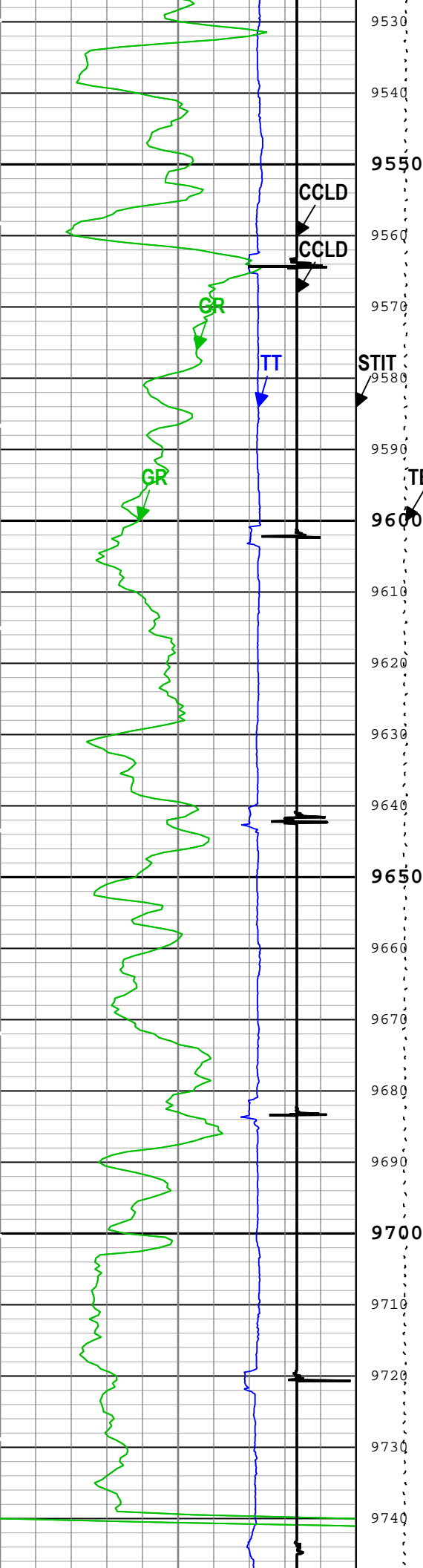


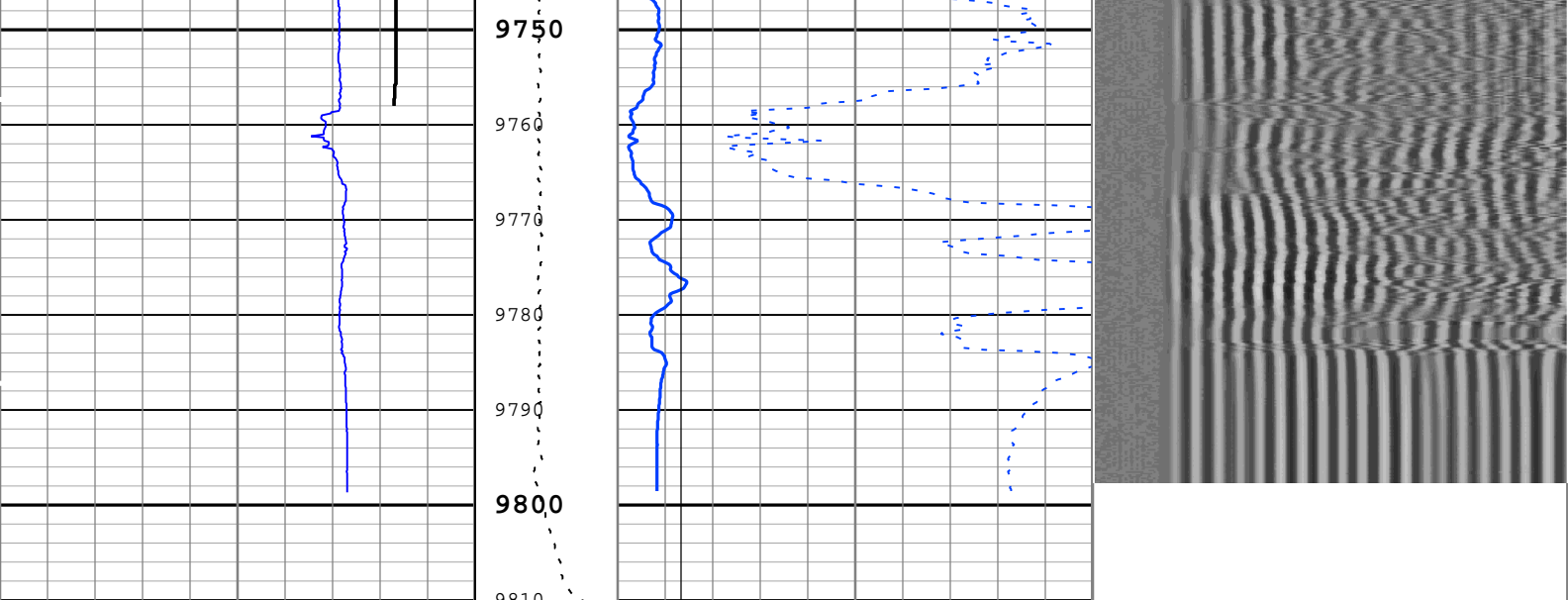












|  |  |  |   |
|--|--|--|---|
| <b>Gamma Ray (GR) PSTP-B</b><br>0 gAPI 150                 | <b>Cable Tension (TENS)</b><br>3000 lbf 0            | <b>CBL Amplitude (CBL) SCMT-HC</b><br>0 mV 10  | <b>Min</b> <b>Amplitude</b> <b>Max</b>                  |
| <b>Transit Time for CBL (TT) SCMT-HC</b><br>400 us 200     | <b>Stuck Tool Indicator, Total (STIT)</b><br>0 ft 50 | <b>CBL Amplitude (CBL) SCMT-HC</b><br>0 mV 100 | <b>VDL VariableDensity (VDL) SCMT-HC</b><br>200 us 1200 |
| <b>Gamma Ray (GR) PSTP-B</b><br>0 gAPI 150                 | <b>Good Bond (GOBO)</b><br>0 mV 10                   |  |   |
| <b>CCL Discriminated Amplitude (CCLD) PSTP-B</b><br>-5 V 1 | <b>GoodBond From CBL to GOBO</b>                     |  |   |
| <b>CCL Discriminated Amplitude (CCLD) PSTP-B</b><br>-5 V 1 | <b>Cable Drag</b>                                    |  |   |
|  | <b>Tool_Tot. Drag</b>                                |  |   |
|  | <b>BIEP - Bond Index Event Pips SCMT-HC</b>          |  |   |

TIME\_1900 - Time Marked every 60.00 (s)

Description: Sonic CBL with VDL    Format: Log ( Sonic CBL with VDL )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 18-Sep-2018 07:16:45

## Channel Processing Parameters

### One: Parameters

| Parameter    | Description  | Tool            | Value       | Unit    |
|--------------|--|-----------------|-------------|---------|
| BHT          | Bottom Hole Temperature  | Borehole        | 278         | degF    |
| CB3G         | SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate                     | SCMT-HC         | 231.42      | us      |
| CBLG         | CBL Gate Width   | SCMT-HC         | 40          | us      |
| CBRA         | CBL LQC Reference Amplitude in Free Pipe                                 | SCMT-HC         | 80          | mV      |
| THNO         | Nominal Casing Thickness - Zoned along logger depths                     | WLSESSION       | 0.248       | in      |
| DC_MODE      | Depth Correction Mode  | DepthCorrection | Real-time   |         |
| DFD          | Drilling Fluid Density   | Borehole        | 8.5         | lbm/gal |
| DFT_CATEGORY | Drilling Fluid Type  | Borehole        | Water       |         |
| DTMD         | Borehole Fluid Slowness  | Borehole        | 206         | us/ft   |
| GOBO_CURR    | Good Bond in Arbitrary Cement  | SCMT-HC         | 1.34        | mV      |
| GTSE         | Generalized Temperature Selection, from Measured or Computed Temperature | Borehole        | WTEP        |         |
| MATT_CURR    | Maximum Attenuation in Arbitrary Cement                                  | SCMT-HC         | 17.09       | dB/ft   |
| MCI          | Minimum Cemented Interval for Isolation                                  | SCMT-HC         | Depth Zoned | ft      |
| MSA          | Minimum Sonic Amplitude  | SCMT-HC         | 0.48        | mV      |
| MSA_CURR     | Minimum Sonic Amplitude in Arbitrary Cement                              | SCMT-HC         | 0.48        | mV      |
| RUN_SNUM     | Run Sequence Number  | WSDRUN          | 1           |         |

|    |                      |          |      |    |
|----|----------------------|----------|------|----|
| TD | Total Measured Depth | Borehole | 9799 | ft |
|----|----------------------|----------|------|----|

## Depth Zone Parameters

| Parameter | Value | Start ( ft ) | Stop ( ft ) |
|-----------|-------|--------------|-------------|
| MCI       | 14.81 | 2800         | 2988        |
| MCI       | 1.25  | 2988         | 9810.25     |

All depth are actual.

## Tool Control Parameters

### One: Parameters

| Parameter     | Description                      | Tool      | Value | Unit |
|---------------|----------------------------------|-----------|-------|------|
| CMTM          | SCMT Operating Mode              | SCMT-HC   | Log   |      |
| MAX_LOG_SPEED | Toolstring Maximum Logging Speed | WLSESSION | 150   | ft/h |
| PCCG          | PSP Downhole CCL Gain            | PSTP-B    | 12 dB |      |

## One

## Repeat pass

## Software Version

| Acquisition System | Version                                      |
|--------------------|--|
| Maxwell 2018 SP1   | 8.1.99839.3100                               |
| Application Patch  | Wireline_Hotfix-Mandatory-2018SP1_8.1.102865 |

## Pass Summary

| Run Name | Pass Objective | Direction | Top        | Bottom     | Start                  | Stop                   | DSC Mode | Depth Shift | Include Parallel Data |
|----------|----------------|-----------|------------|------------|------------------------|------------------------|----------|-------------|-----------------------|
| One      | Log[2]:Up      | Up        | 9371.05 ft | 9791.53 ft | 16-Sep-2018 1:28:19 AM | 16-Sep-2018 1:42:48 AM | ON       | 8.21 ft     | No                    |

All depths are referenced to toolstring zero

## Log

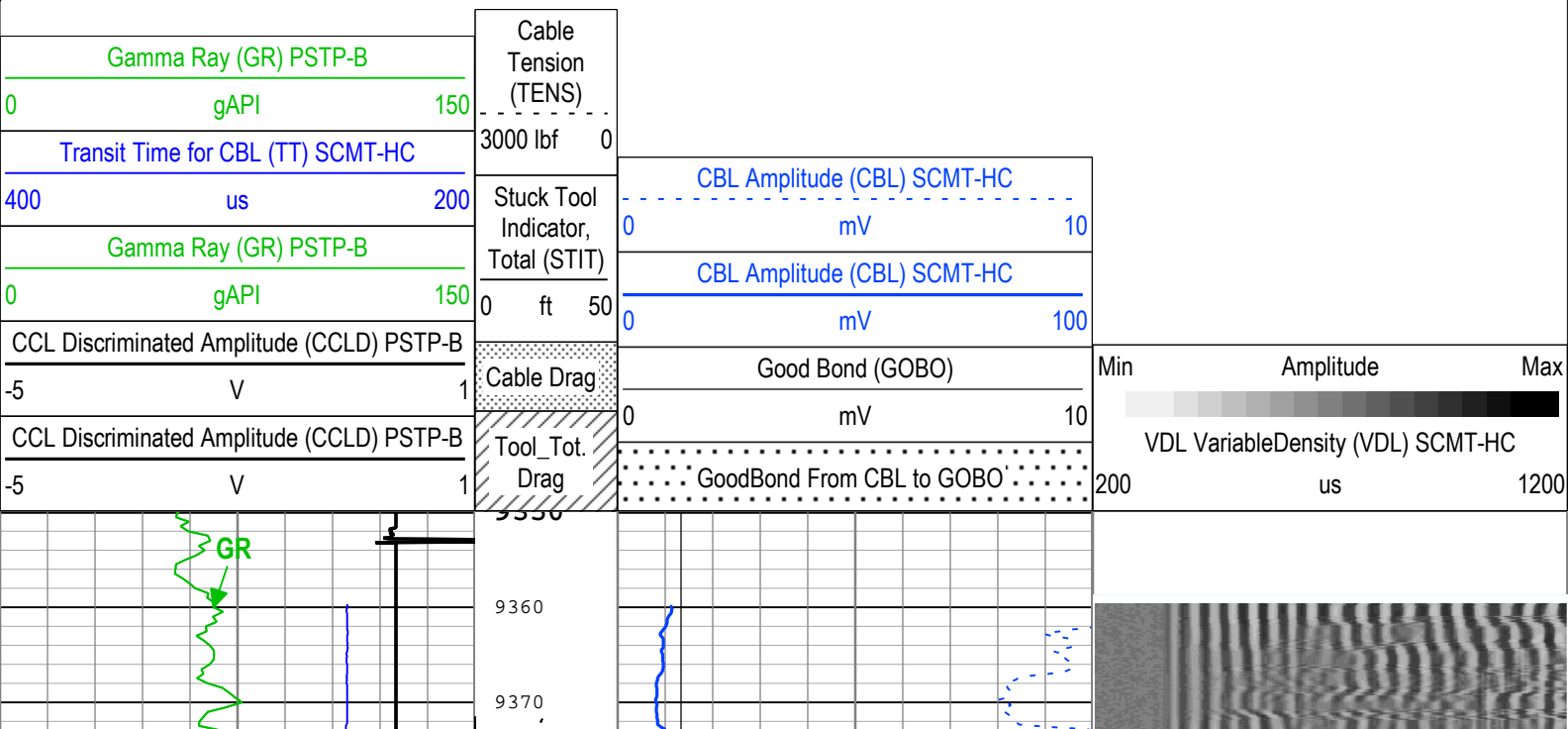
Company:Caerus Operating LLC      Well:NPR 23D-10 596

One: Log[2]:Up:S002

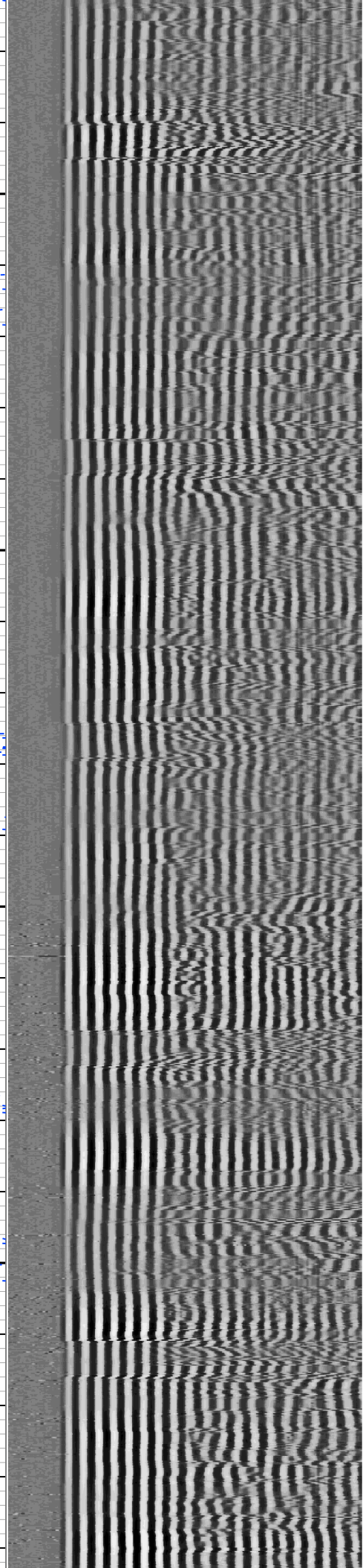
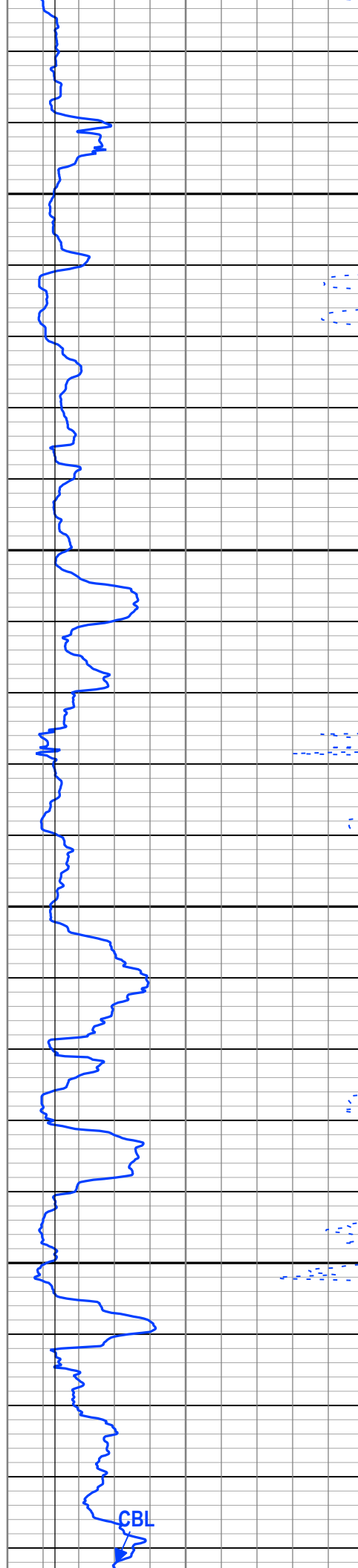
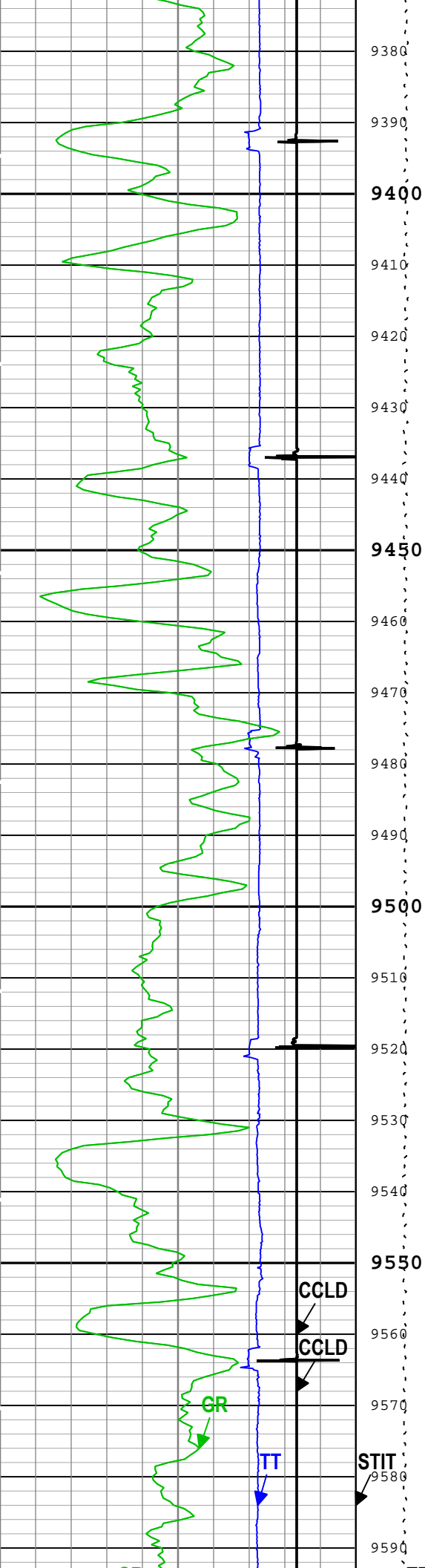
Description: Sonic CBL with VDL    Format: Log ( Sonic CBL with VDL )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 18-Sep-2018 07:16:53

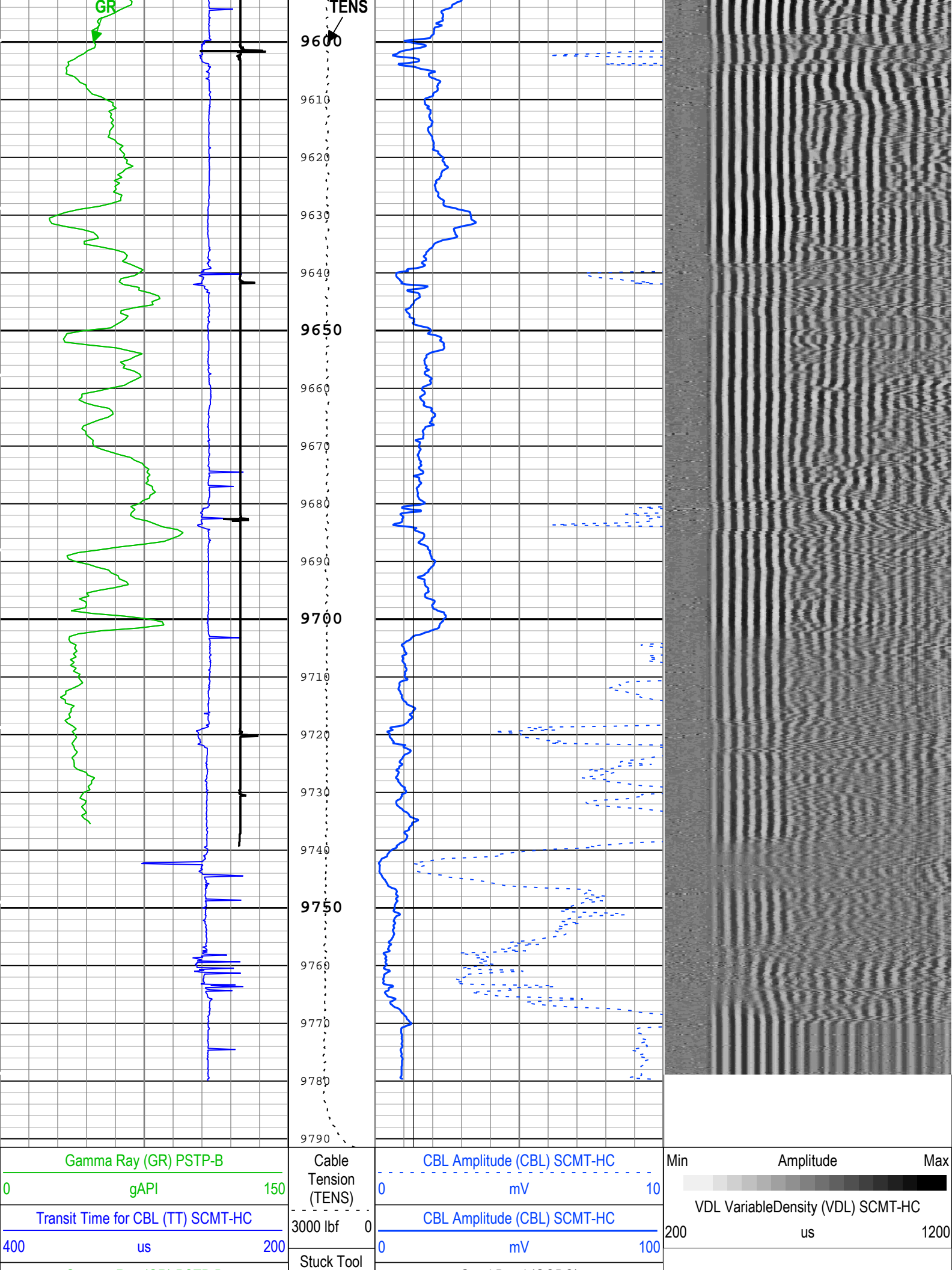
BIEP - Bond Index Event Pips SCMT-HC

TIME\_1900 - Time Marked every 60.00 (s)









|   |      |  |                                      |                |    |                            |    |  |
|---|------|--|--------------------------------------|----------------|----|----------------------------|----|--|
| Gamma Ray (GR) PSTP-B                     |      |  | Indicator, Total (STIT)              |                |    | Good Bond (GOBO)           |    |  |
| 0   | gAPI |  | 150                                  | 0              | mV |                            | 10 |  |
| CCL Discriminated Amplitude (CCLD) PSTP-B |      |  | 0                                    | ft             | 50 | GoodBond From CBL to GOBO' |    |  |
| -5  | V    |  | 1                                    | Cable Drag     |    |                            |    |  |
| CCL Discriminated Amplitude (CCLD) PSTP-B |      |  |                                      | Tool_Tot. Drag |    |                            |    |  |
| -5  | V    |  | 1                                    |                |    |                            |    |  |
| TIME_1900 - Time Marked every 60.00 (s)   |      |  |                                      |                |    |                            |    |  |
|   |      |  | BIEP - Bond Index Event Pips SCMT-HC |                |    |                            |    |  |

Description: Sonic CBL with VDL    Format: Log ( Sonic CBL with VDL )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 18-Sep-2018 07:16:53

Channel Processing Parameters

One: Parameters

| Parameter    | Description  | Tool            | Value     | Unit    |
|--------------|--|-----------------|-----------|---------|
| BHT          | Bottom Hole Temperature  | Borehole        | 278       | degF    |
| CB3G         | SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate                     | SCMT-HC         | 231.42    | us      |
| CBLG         | CBL Gate Width   | SCMT-HC         | 40        | us      |
| CBRA         | CBL LQC Reference Amplitude in Free Pipe                                 | SCMT-HC         | 80        | mV      |
| THNO         | Nominal Casing Thickness - Zoned along logger depths                     | WLSESSION       | 0.248     | in      |
| DC_MODE      | Depth Correction Mode  | DepthCorrection | Real-time |         |
| DFD          | Drilling Fluid Density   | Borehole        | 8.5       | lbm/gal |
| DFT_CATEGORY | Drilling Fluid Type  | Borehole        | Water     |         |
| DTMD         | Borehole Fluid Slowness  | Borehole        | 206       | us/ft   |
| GOBO_CURR    | Good Bond in Arbitrary Cement  | SCMT-HC         | 1.34      | mV      |
| GTSE         | Generalized Temperature Selection, from Measured or Computed Temperature | Borehole        | WTEP      |         |
| MATT_CURR    | Maximum Attenuation in Arbitrary Cement                                  | SCMT-HC         | 17.09     | dB/ft   |
| MCI          | Minimum Cemented Interval for Isolation                                  | SCMT-HC         | 1.25      | ft      |
| MSA          | Minimum Sonic Amplitude  | SCMT-HC         | 0.48      | mV      |
| MSA_CURR     | Minimum Sonic Amplitude in Arbitrary Cement                              | SCMT-HC         | 0.48      | mV      |
| RUN_SNUM     | Run Sequence Number  | WSDRUN          | 1         |         |
| TD           | Total Measured Depth   | Borehole        | 9799      | ft      |

Tool Control Parameters

One: Parameters

| Parameter     | Description                      | Tool      | Value      | Unit |
|---------------|----------------------------------|-----------|------------|------|
| CMTM          | SCMT Operating Mode              | SCMT-HC   | Log        |      |
| MAX_LOG_SPEED | Toolstring Maximum Logging Speed | WLSESSION | 150        | ft/h |
| PCCG          | PSP Downhole CCL Gain            | PSTP-B    | Time Zoned |      |

Time Zone Parameters

| Parameter | Value | Start Time           | Stop Time            | Start Depth ( ft ) | Stop Depth ( ft ) |
|-----------|-------|----------------------|----------------------|--------------------|-------------------|
| PCCG      | 0 dB  | 16-Sep-2018 01:28:19 | 16-Sep-2018 01:33:02 | 9791.53            | 9656.5            |
| PCCG      | 12 dB | 16-Sep-2018 01:33:02 | 16-Sep-2018 01:42:48 | 9656.5             | 9371.05           |

All depth are at tool zero.

One

Main Pass

Software Version

|                    |         |
|--------------------|---------|
| Acquisition System | Version |
|--------------------|---------|



|                    |  |
|--------------------|--|
| Acquisition System | Version                                      |
| Maxwell 2018 SP1   | 8.1.99839.3100                               |
| Application Patch  | Wireline_Hotfix-Mandatory-2018SP1_8.1.102865 |

Pass Summary

| Run Name                                     | Pass Objective | Direction | Top       | Bottom     | Start                  | Stop                   | DSC Mode | Depth Shift | Include Parallel Data |
|--|----------------|-----------|-----------|------------|------------------------|------------------------|----------|-------------|-----------------------|
| One  | Log[3]:Up      | Up        | 221.82 ft | 9810.24 ft | 16-Sep-2018 1:52:04 AM | 16-Sep-2018 7:15:04 AM | ON       | 9.16 ft     | No                    |
| All depths are referenced to toolstring zero |                |           |           |            |                        |                        |          |             |                       |

Log

Company:Caerus Operating LLC      Well:NPR 23D-10 596

One: Log[3]:Up:S002

Description: RST SIGMA Answer    Format: Log ( RST SIGMA Answer )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 18-Sep-2018 07:16:55

TIME\_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)

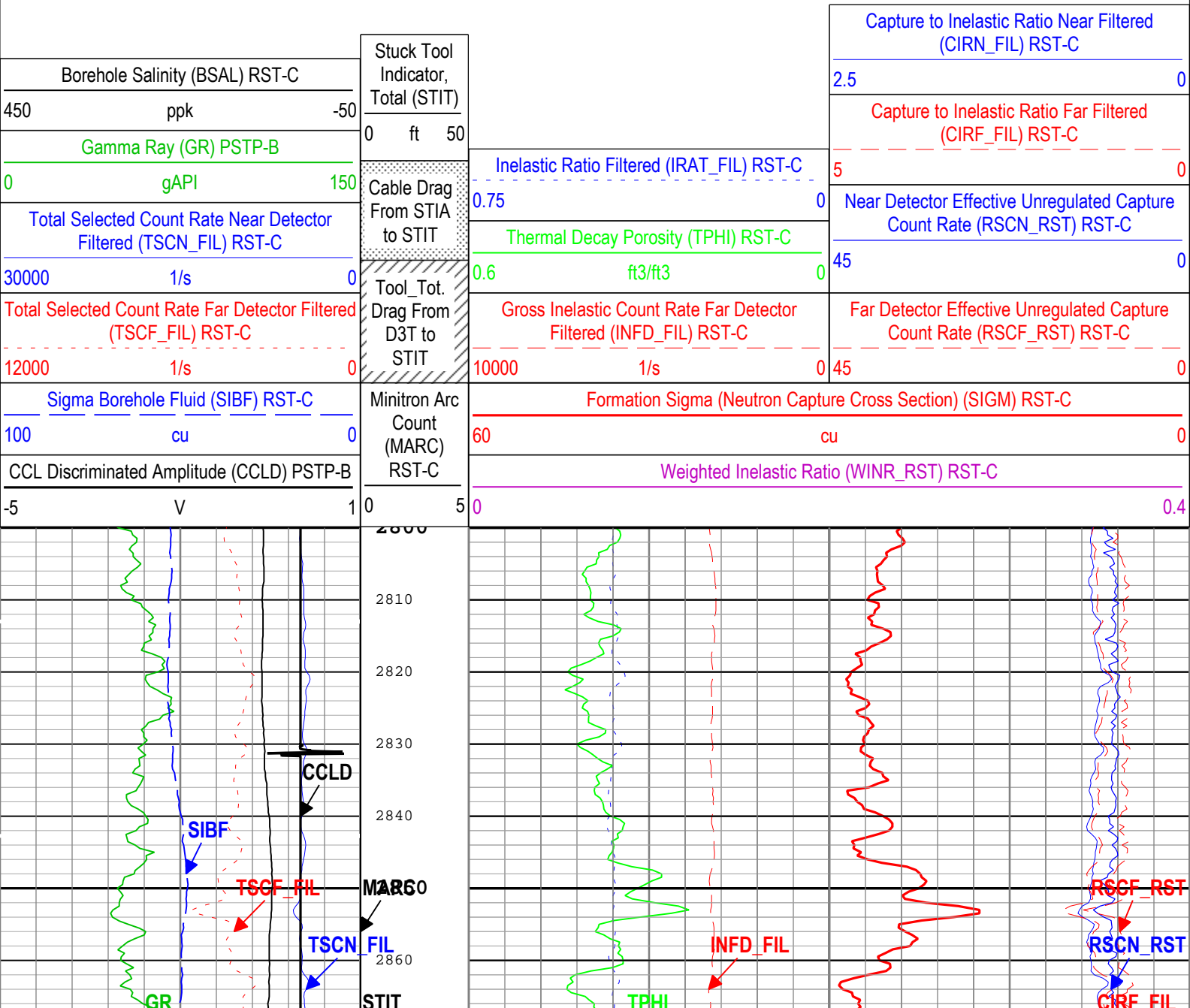
IHV - Integrated Hole Volume every 10.00 (ft3)

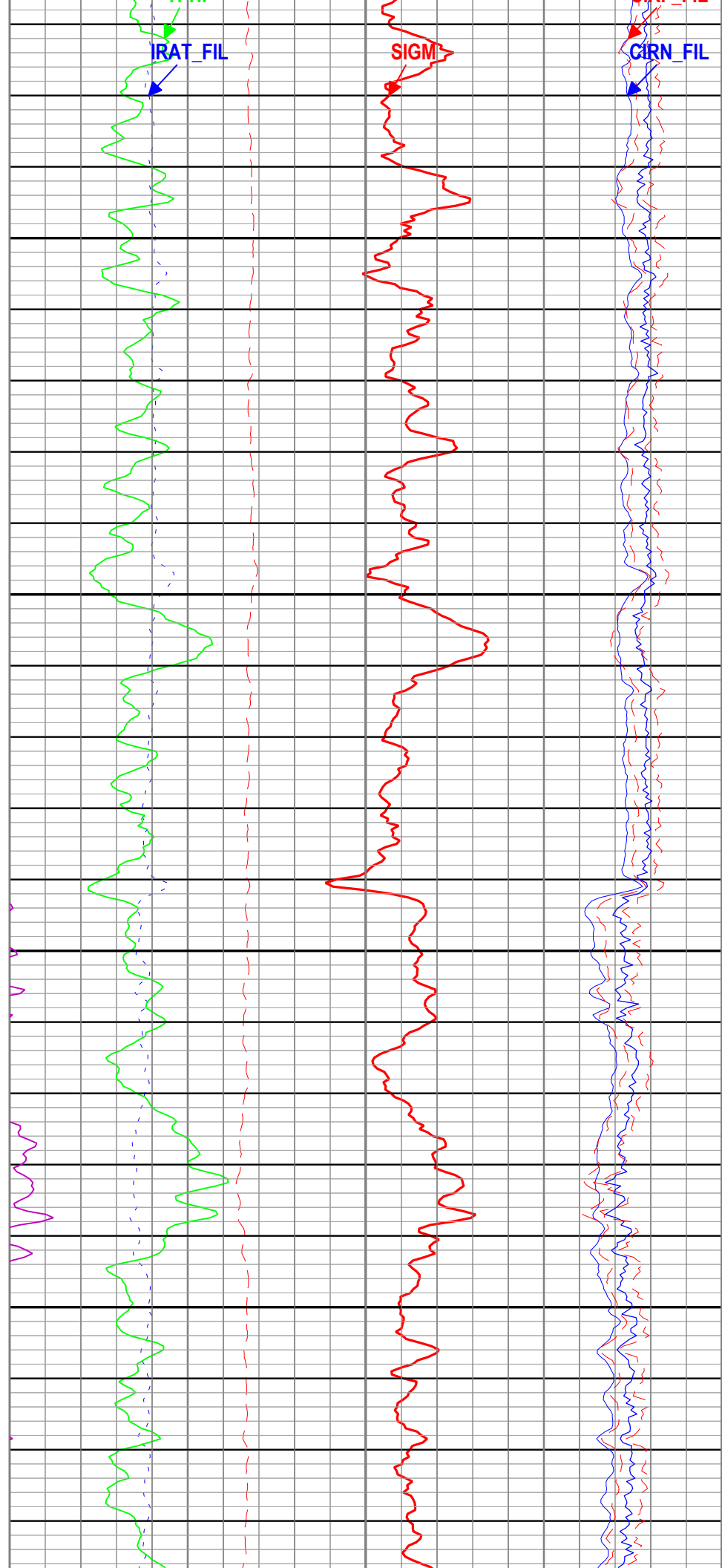
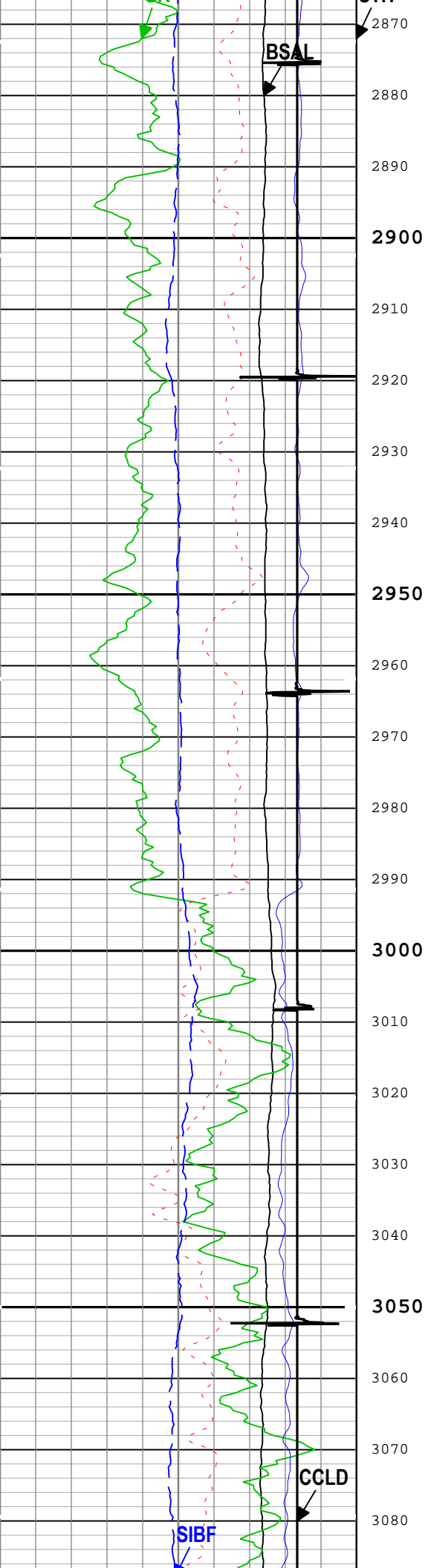
TIME\_1900 - Time Marked every 60.00 (s)

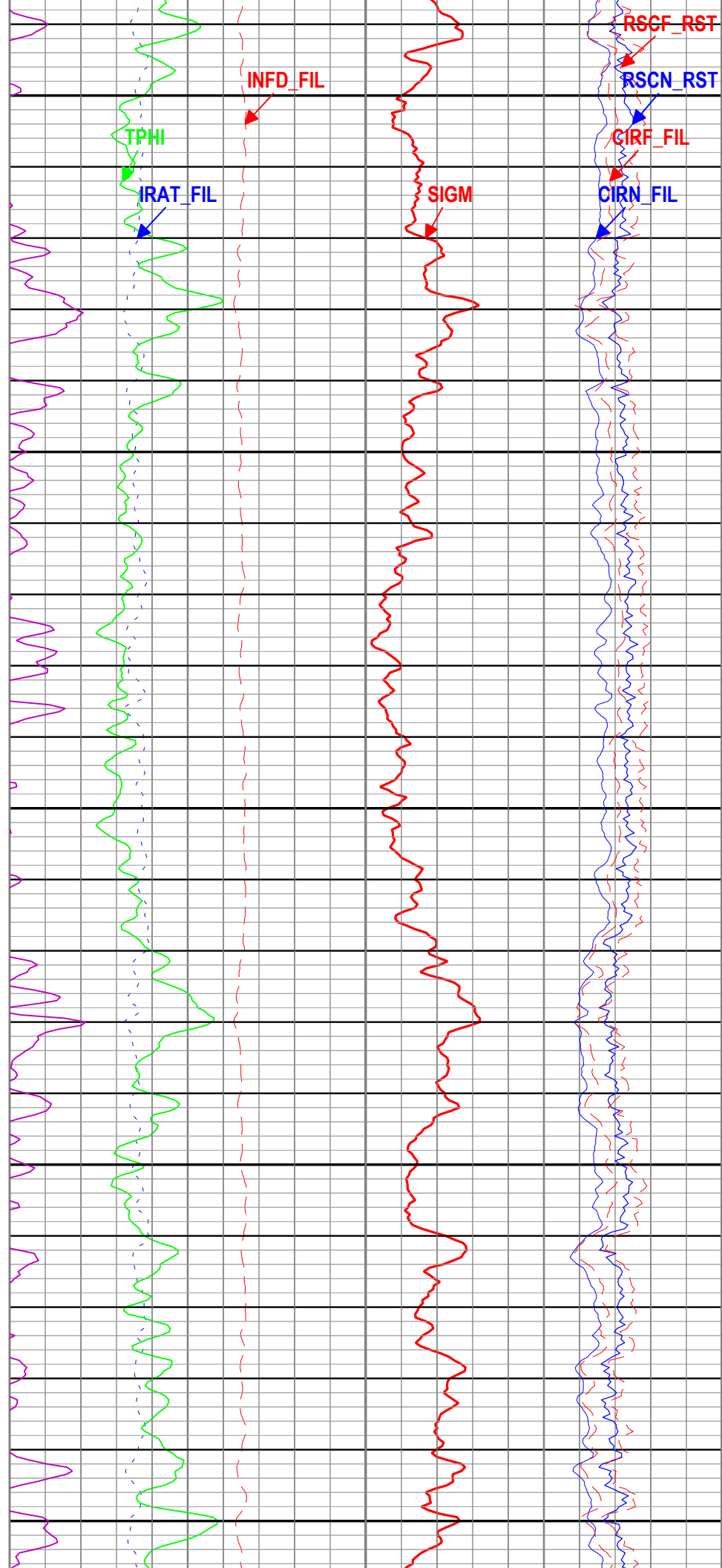
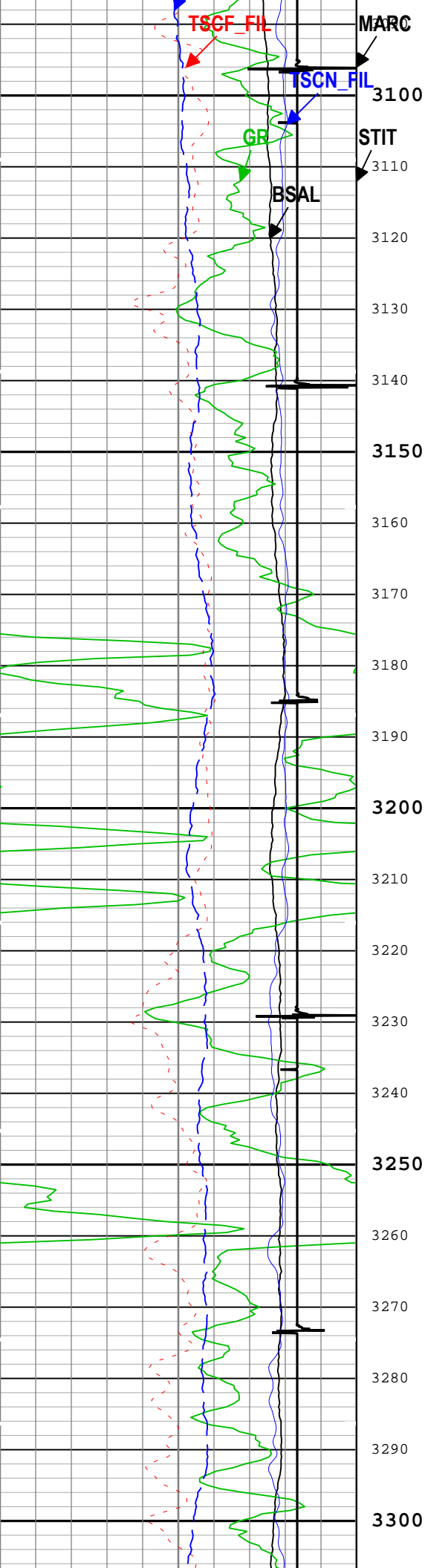
IHV - Integrated Hole Volume every 100.00 (ft3)

ICV - Integrated Cement Volume every 10.00 (ft3)

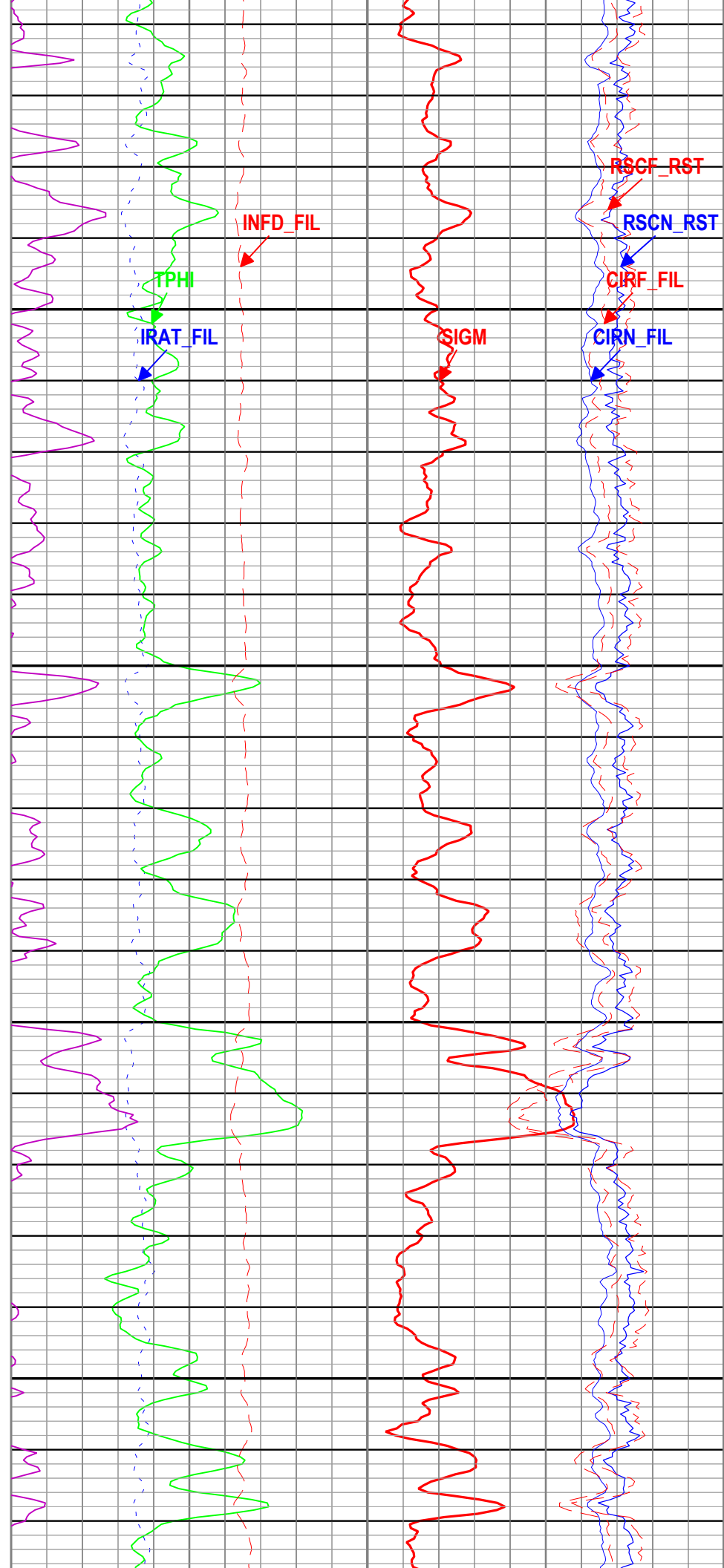
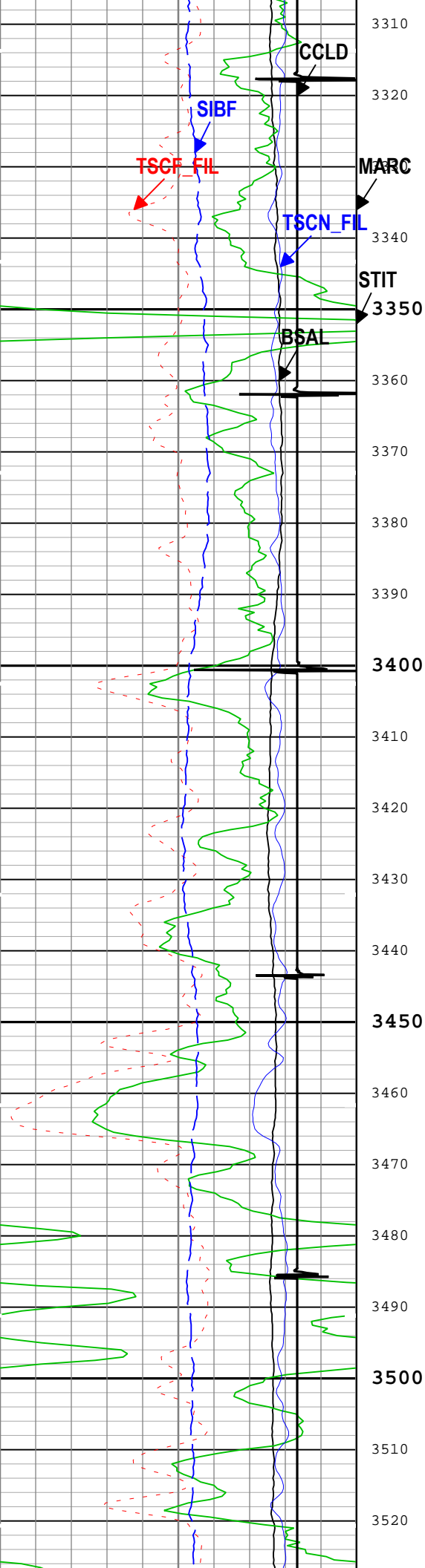
ICV - Integrated Cement Volume every 100.00 (ft3)

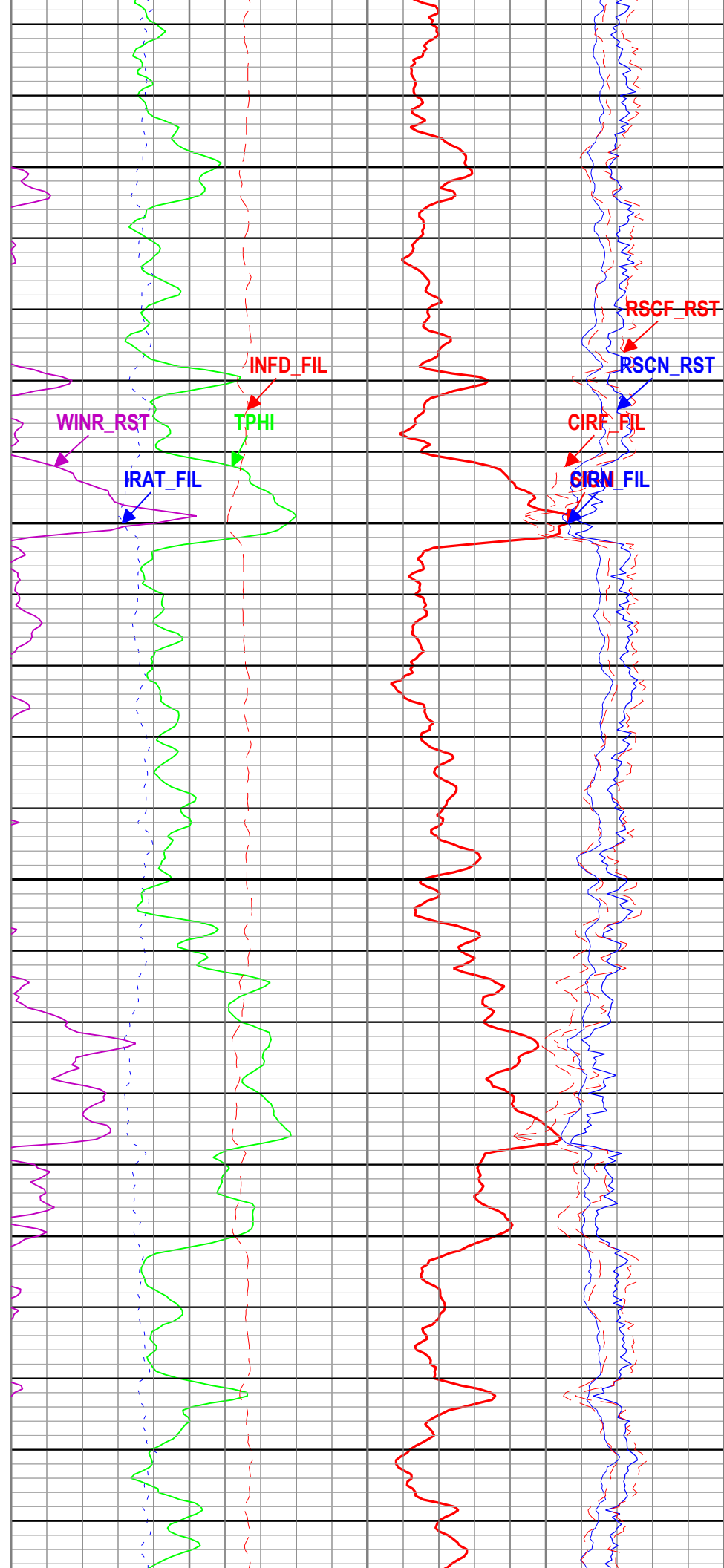
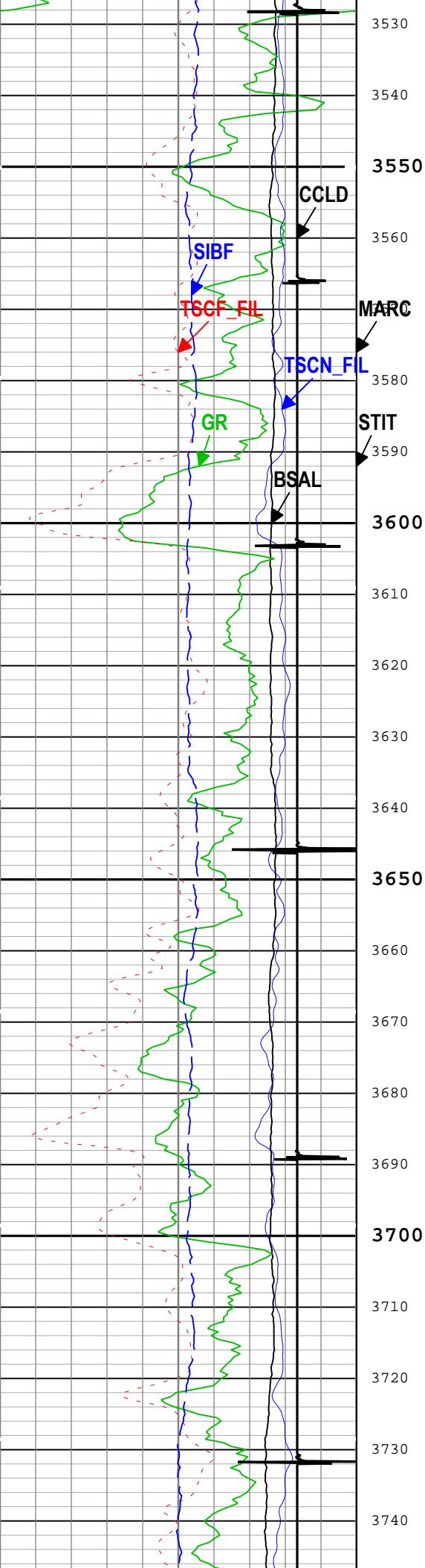


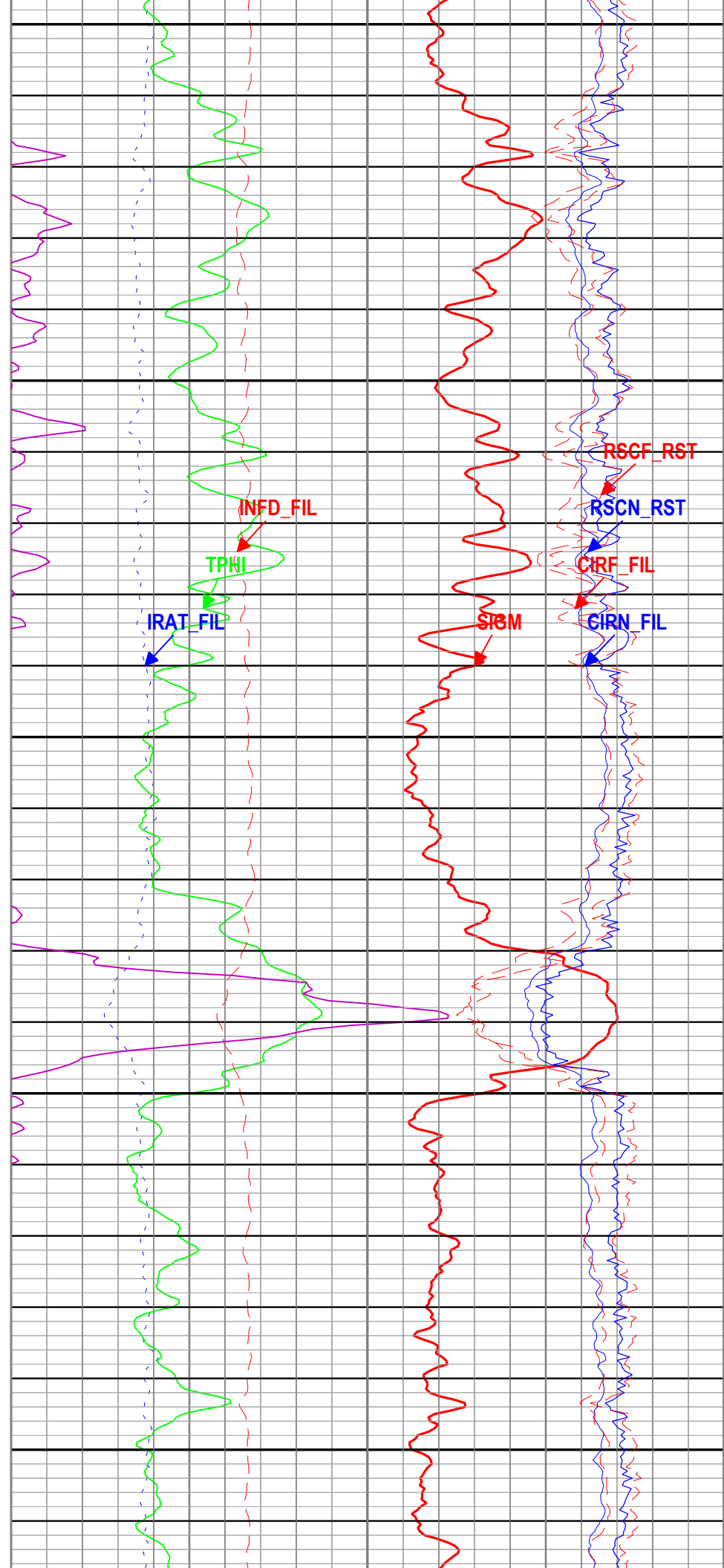
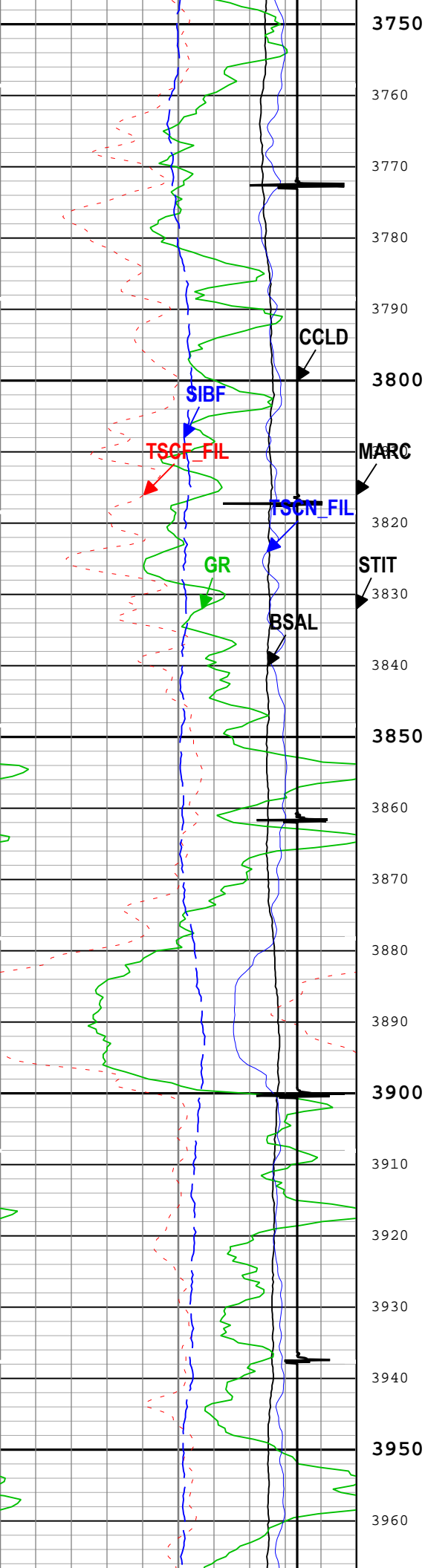




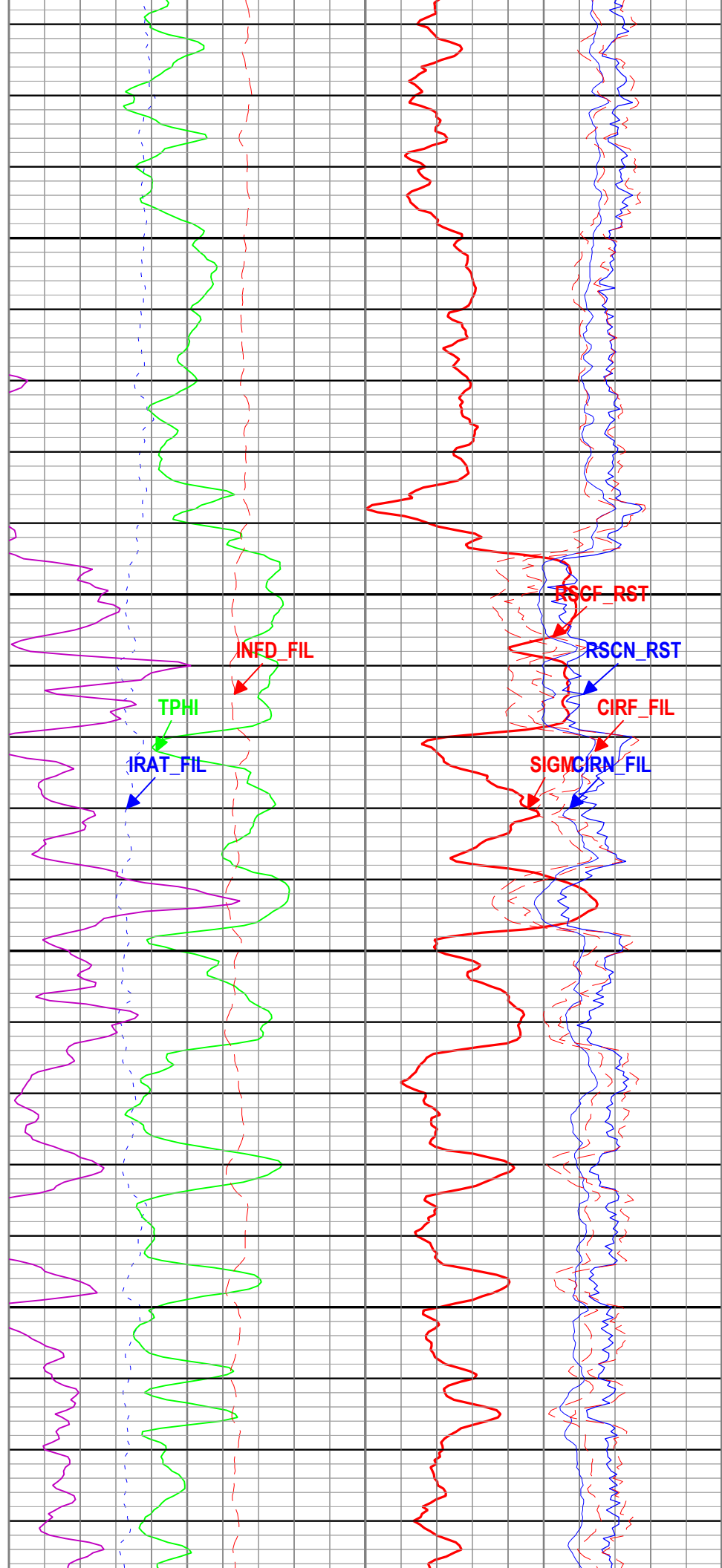
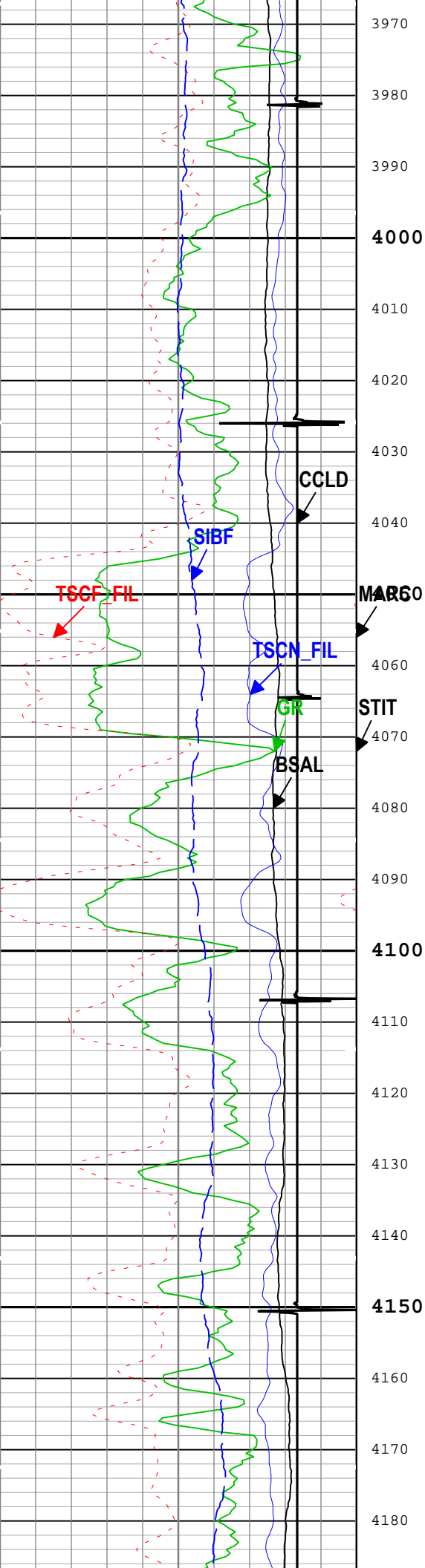


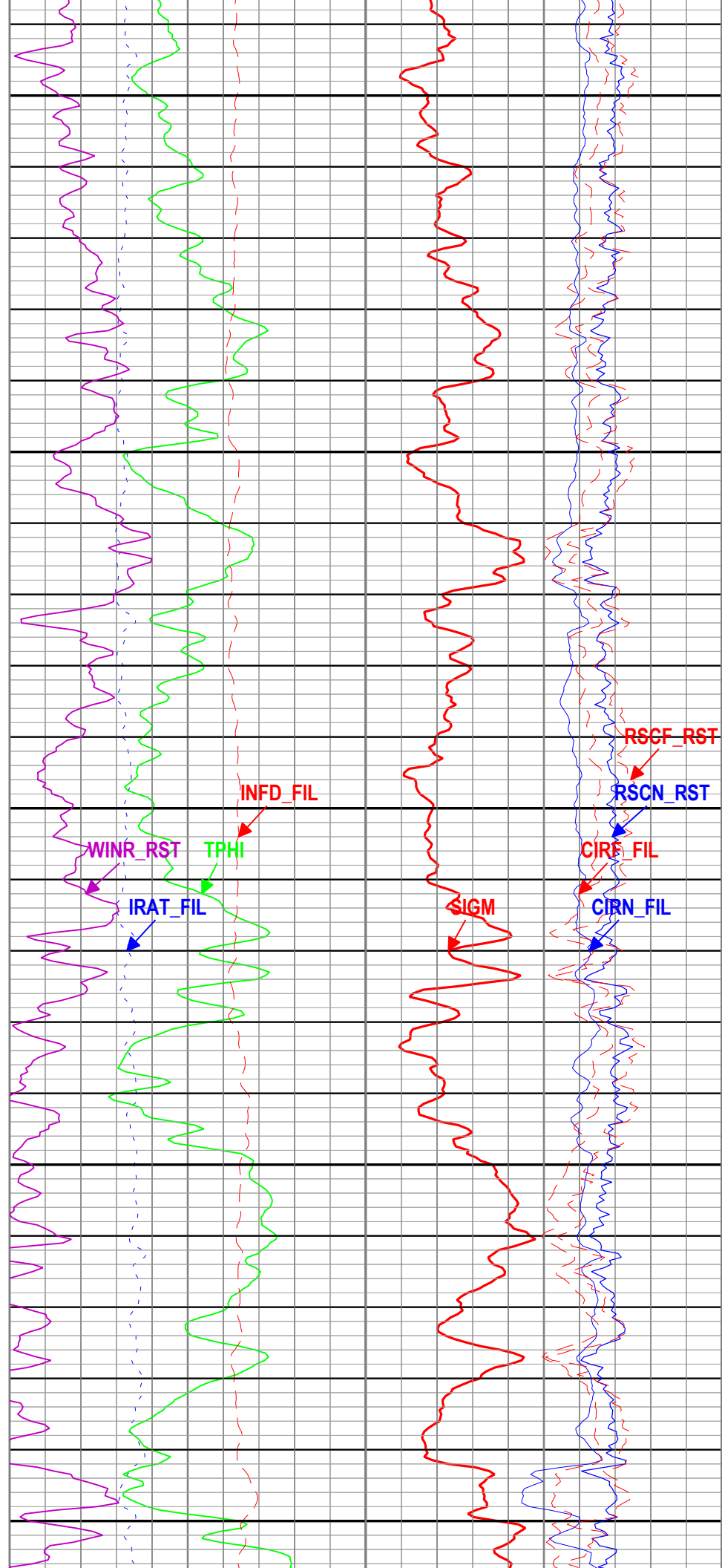
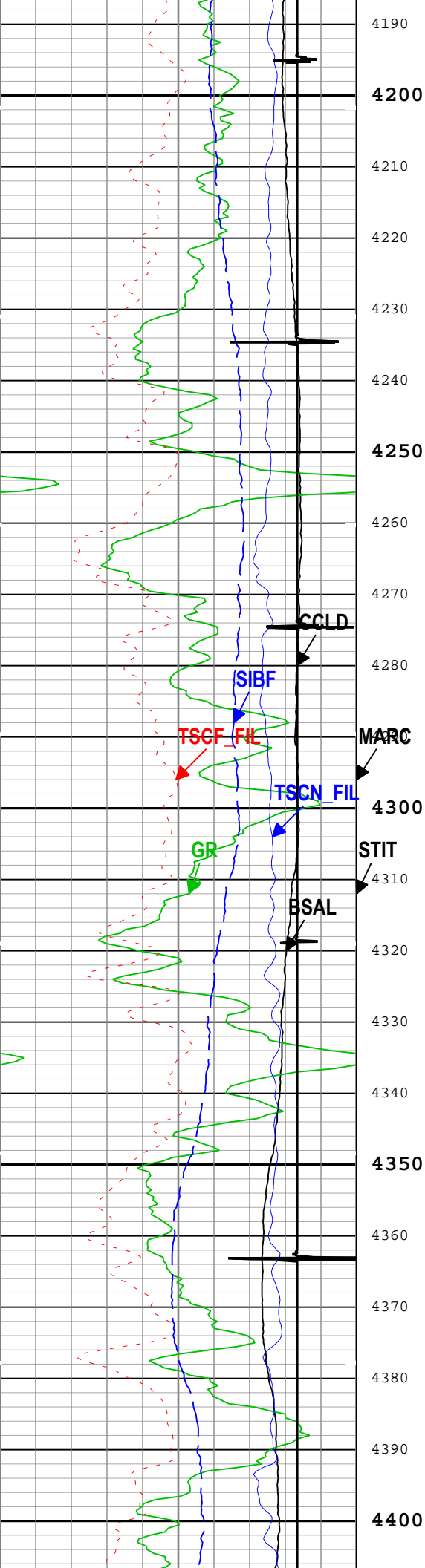


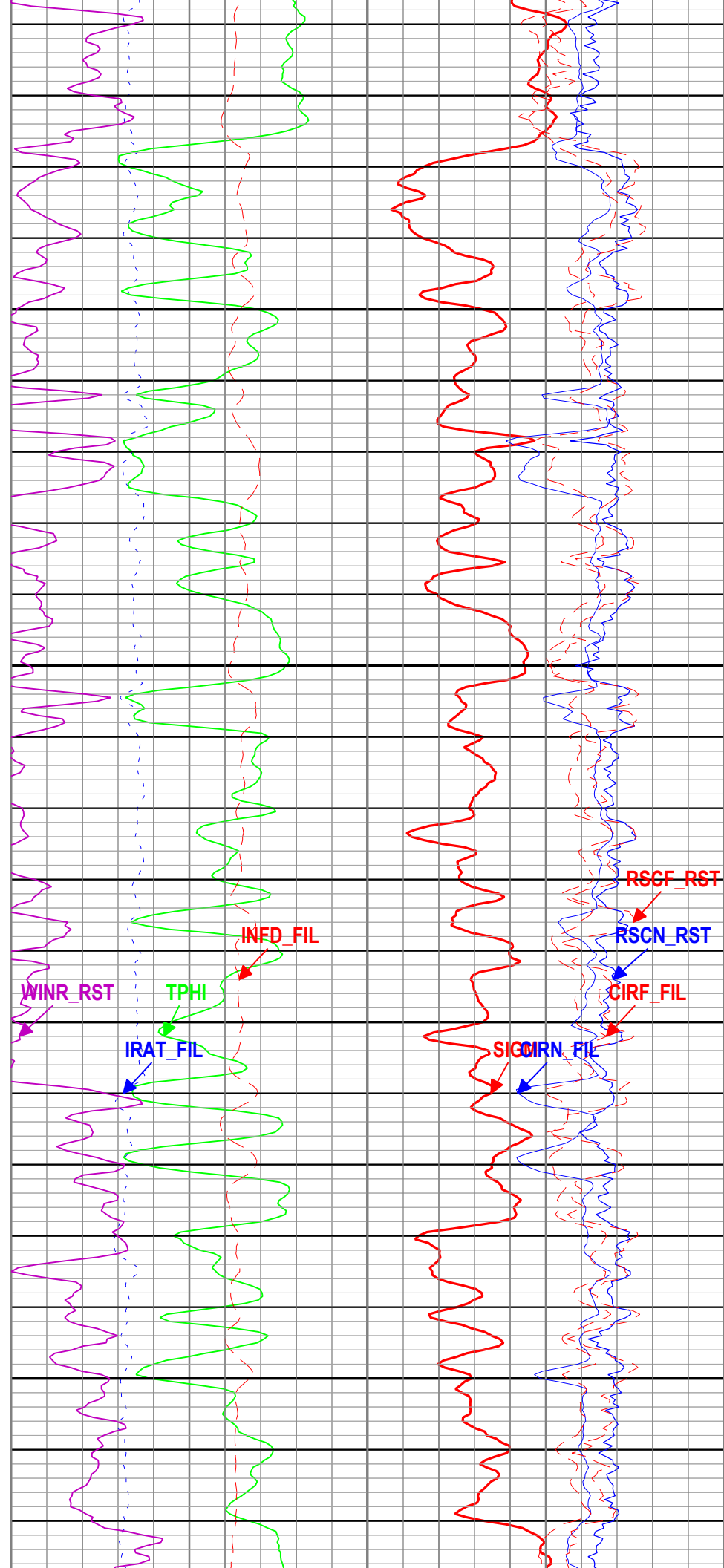
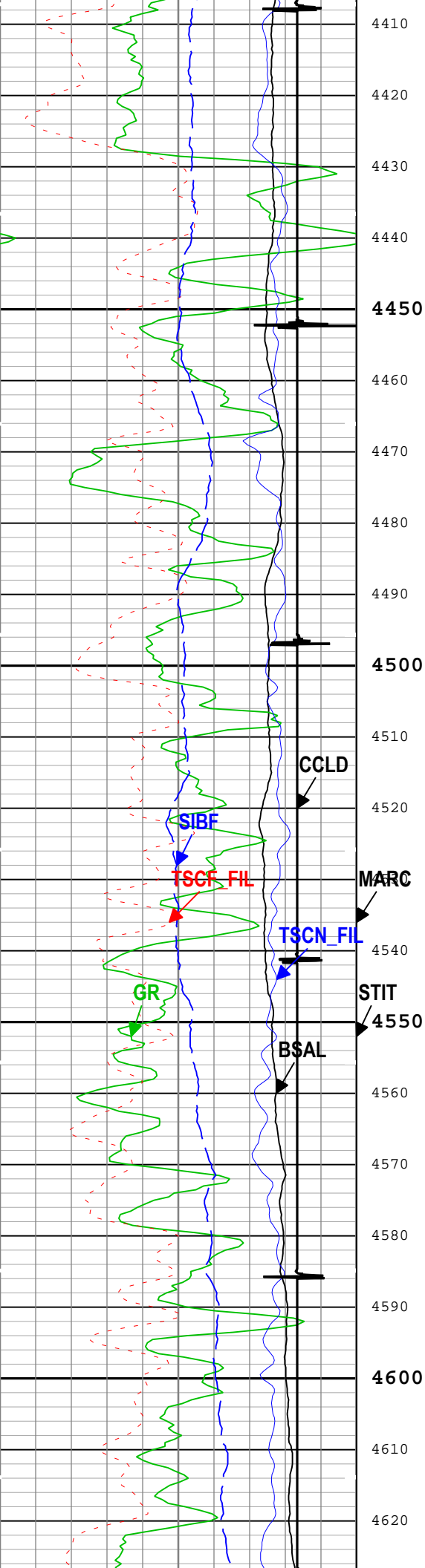




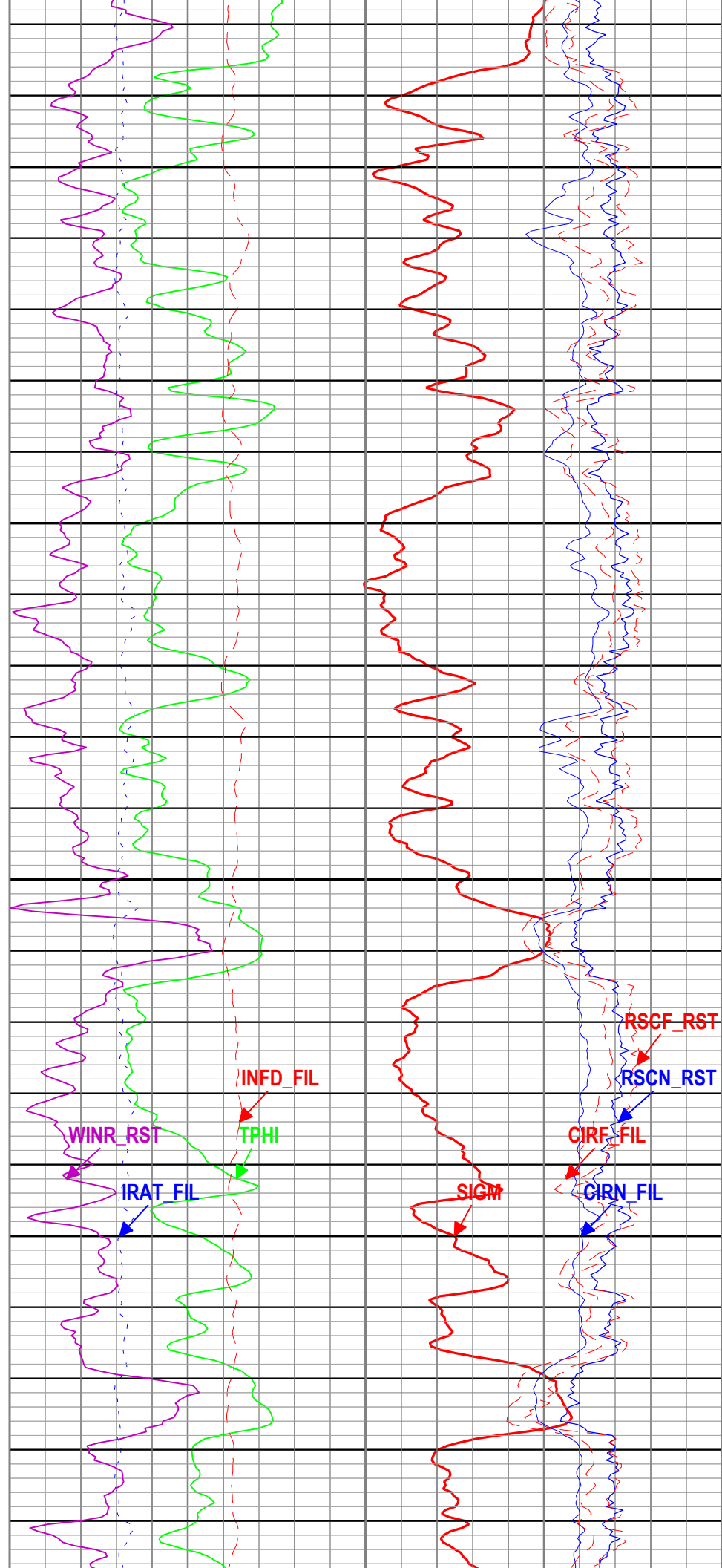
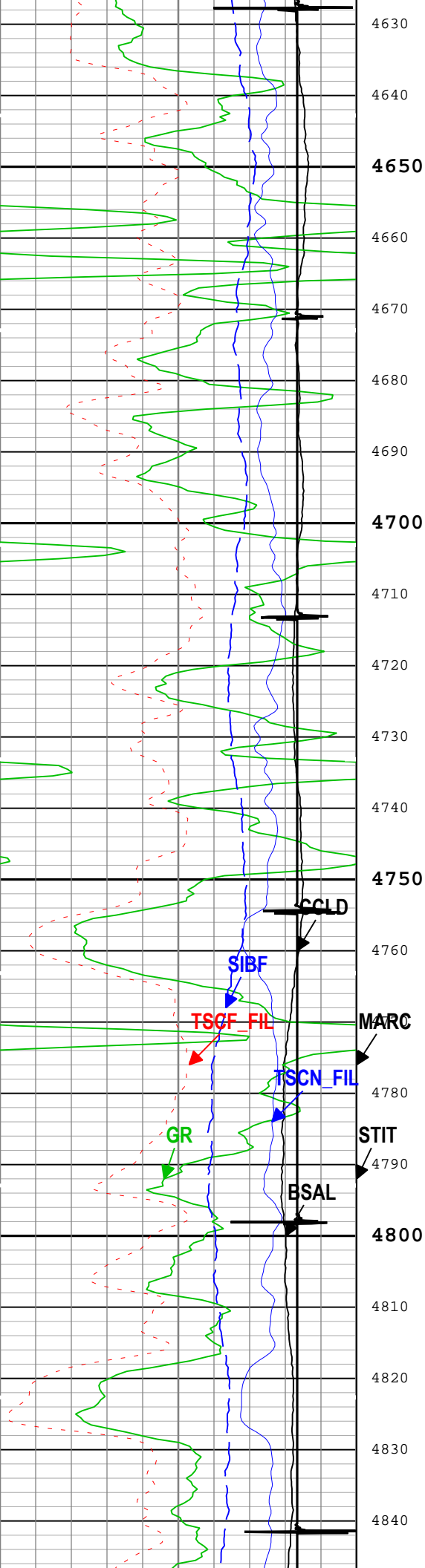


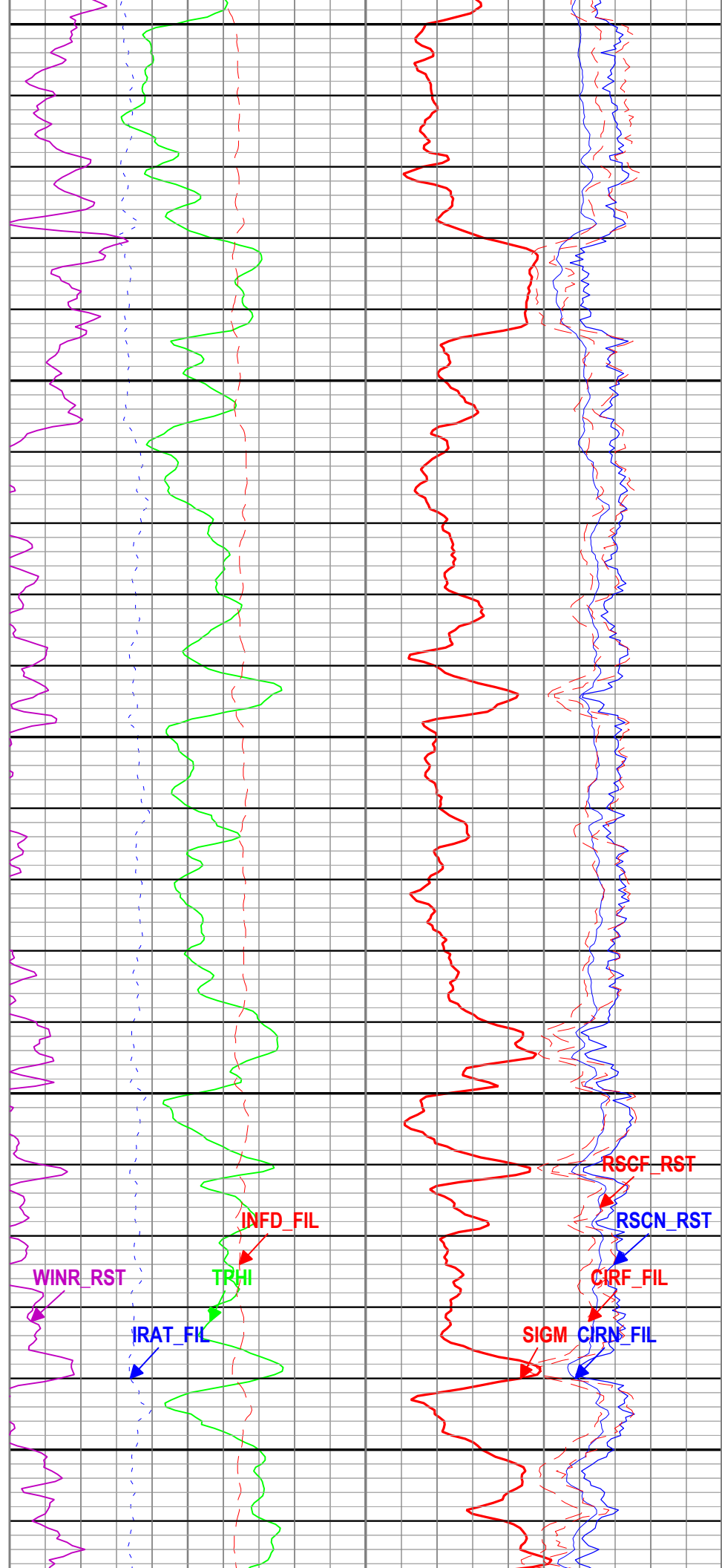
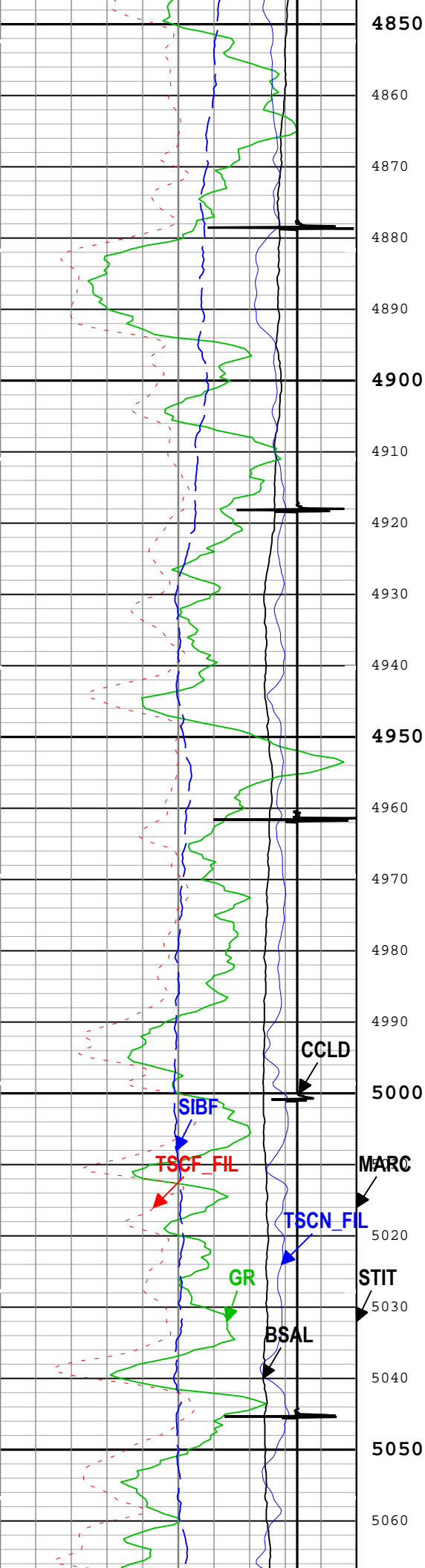


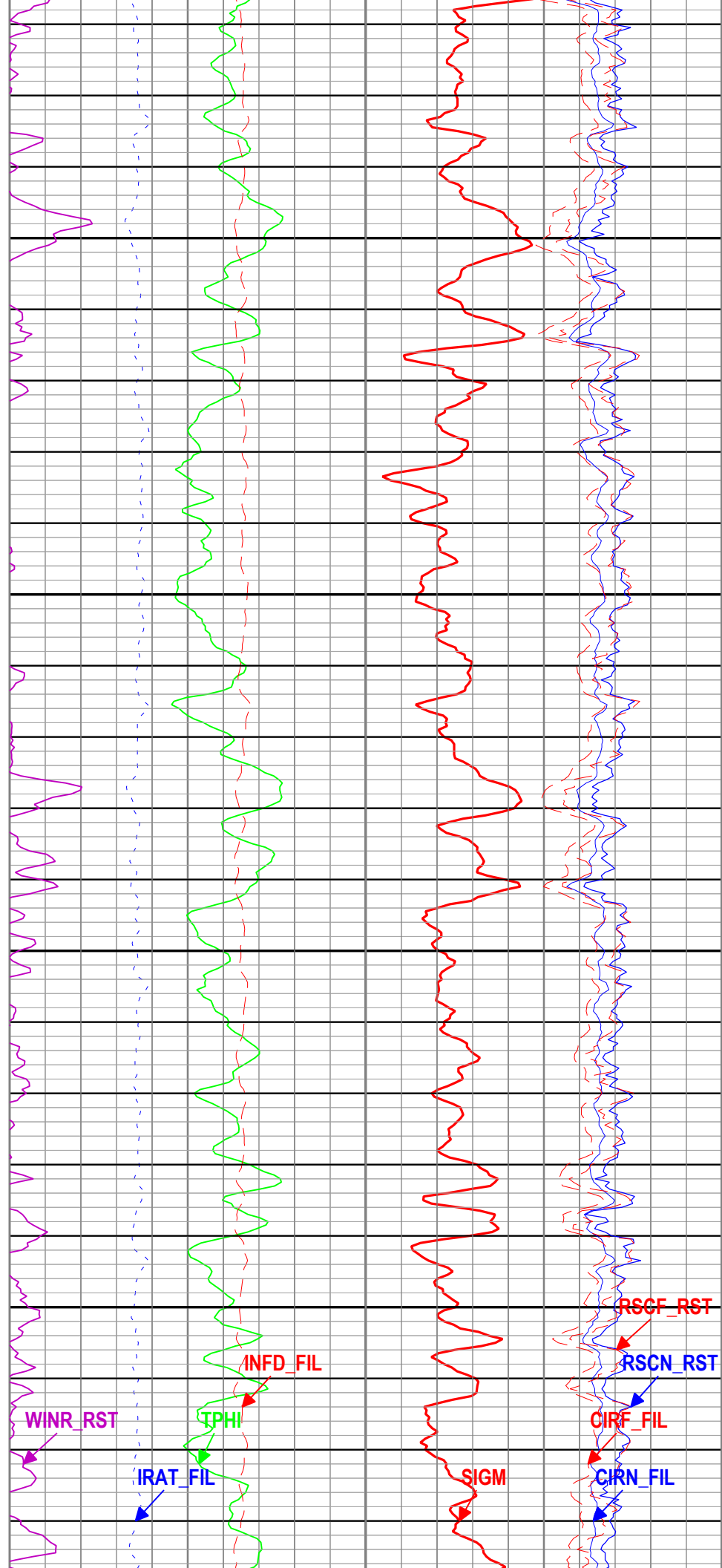
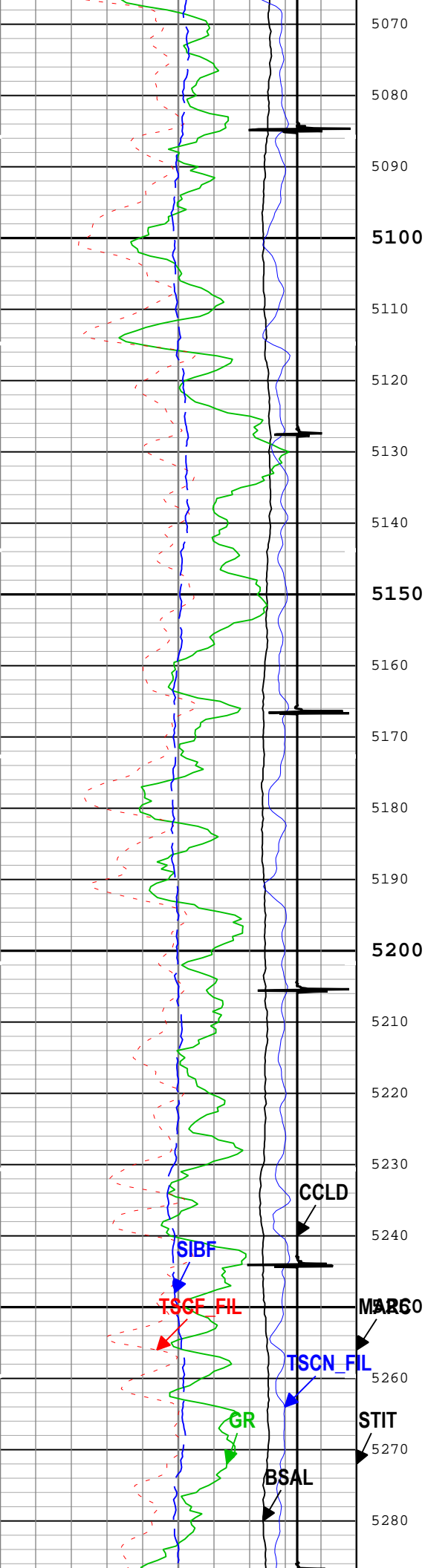




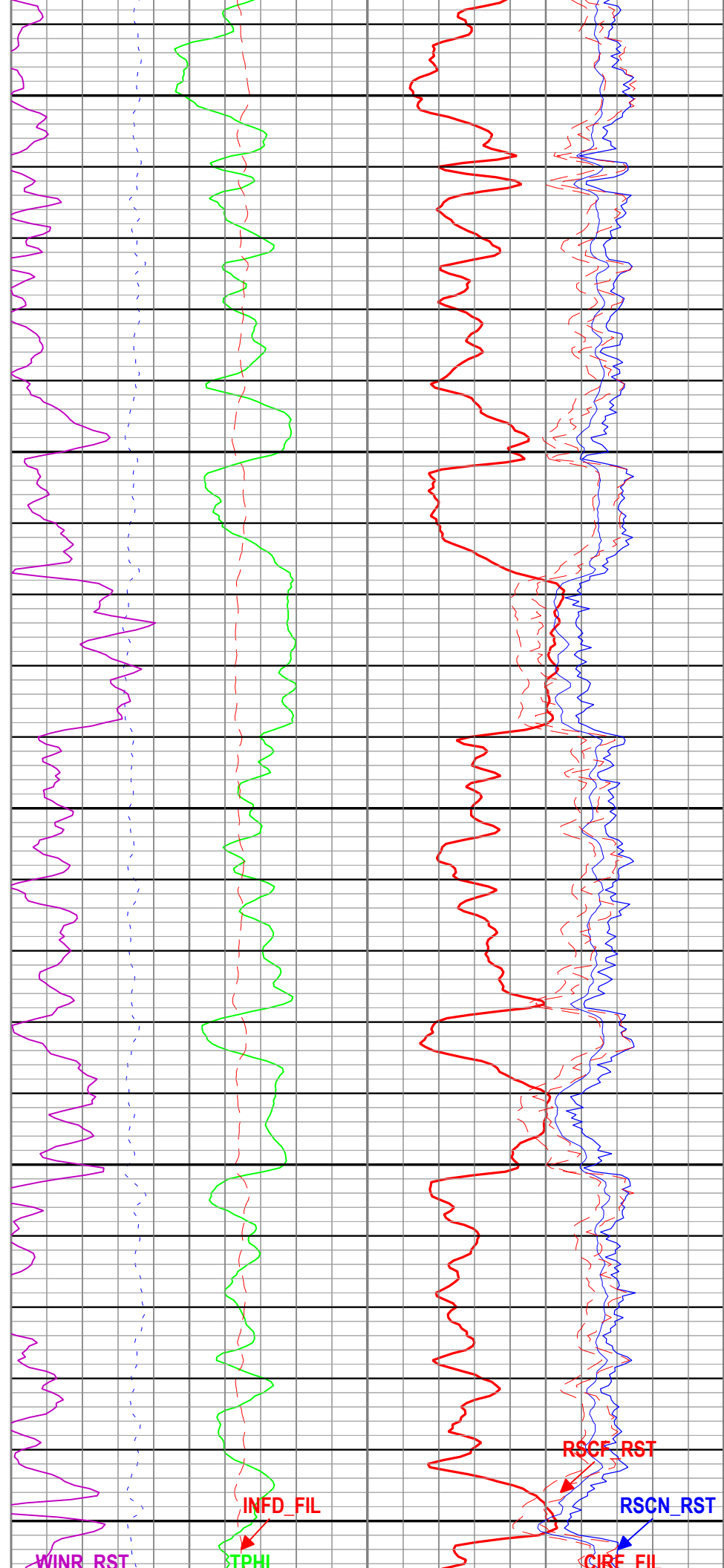
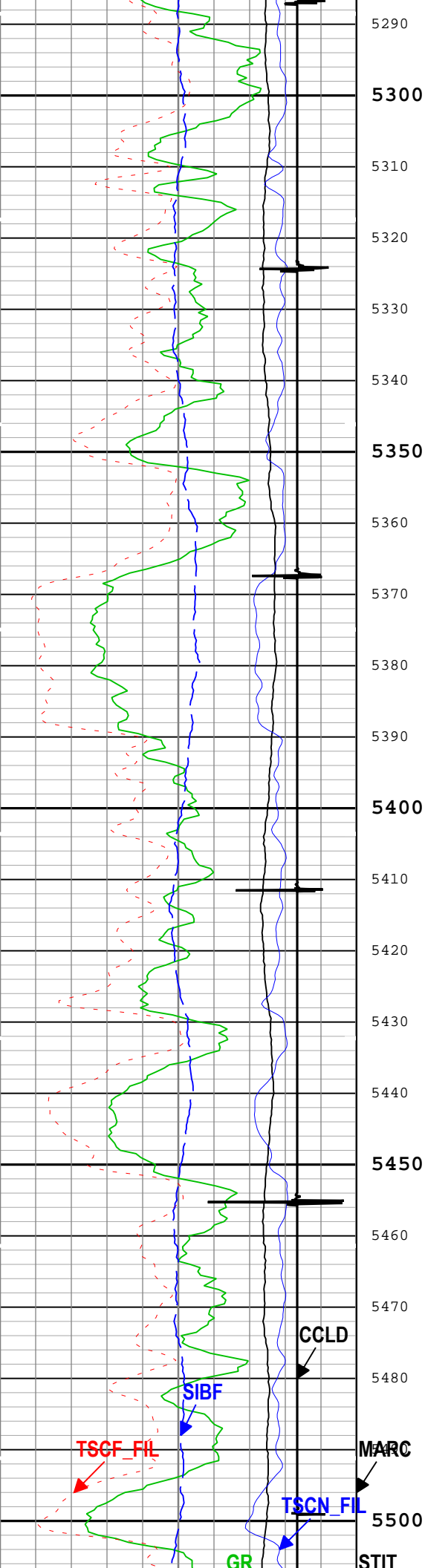


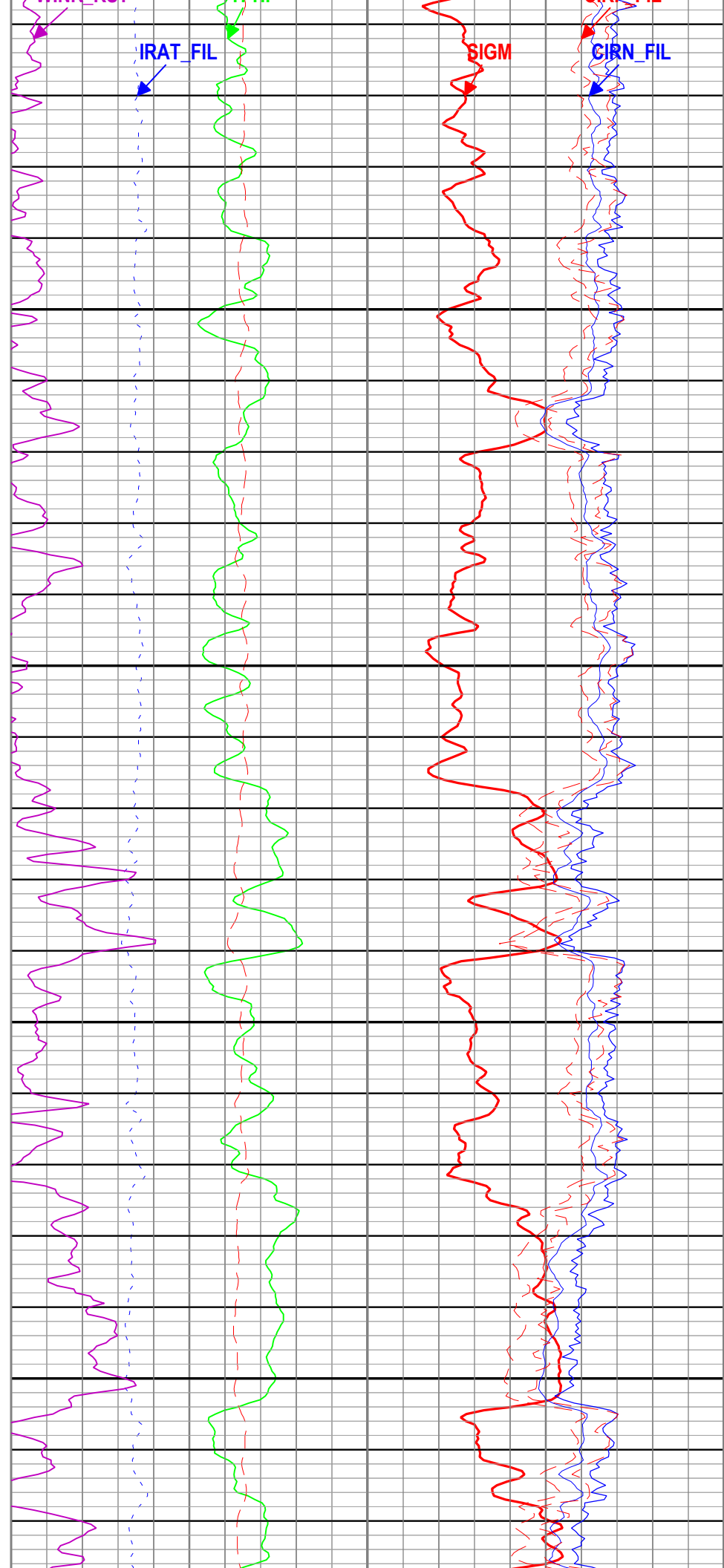
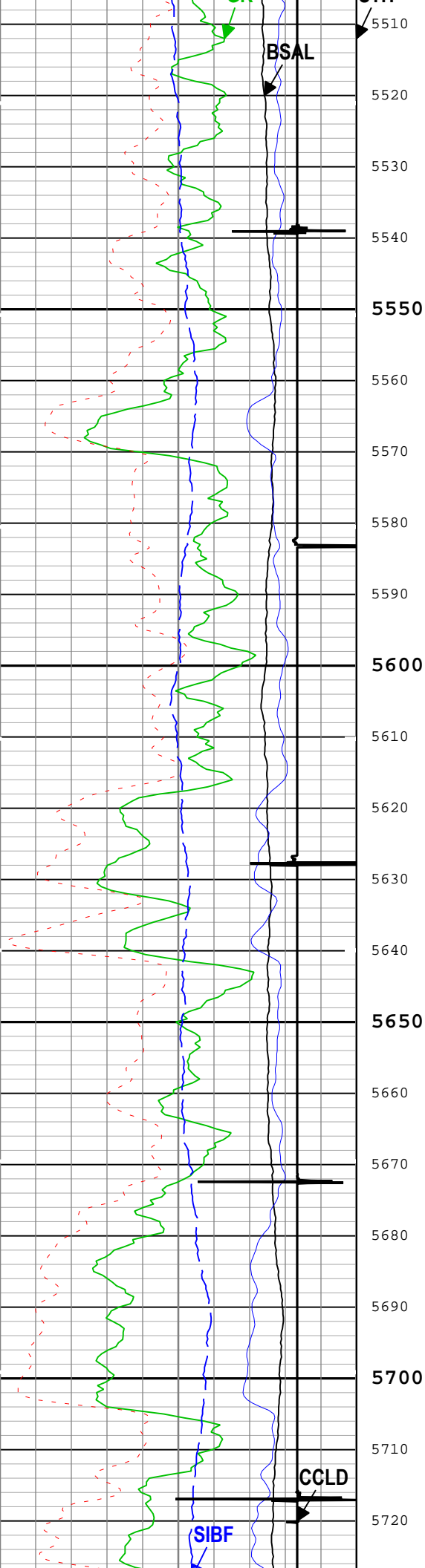


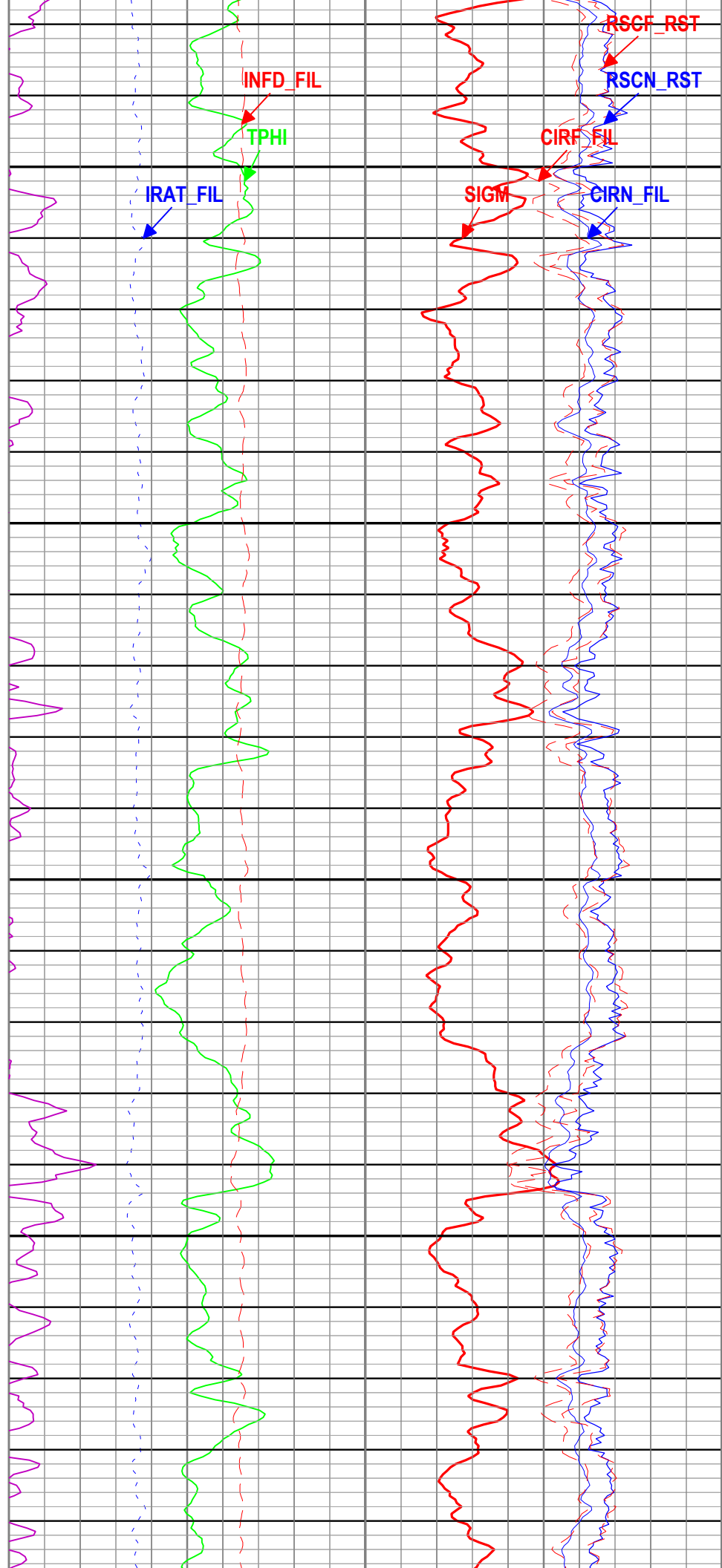
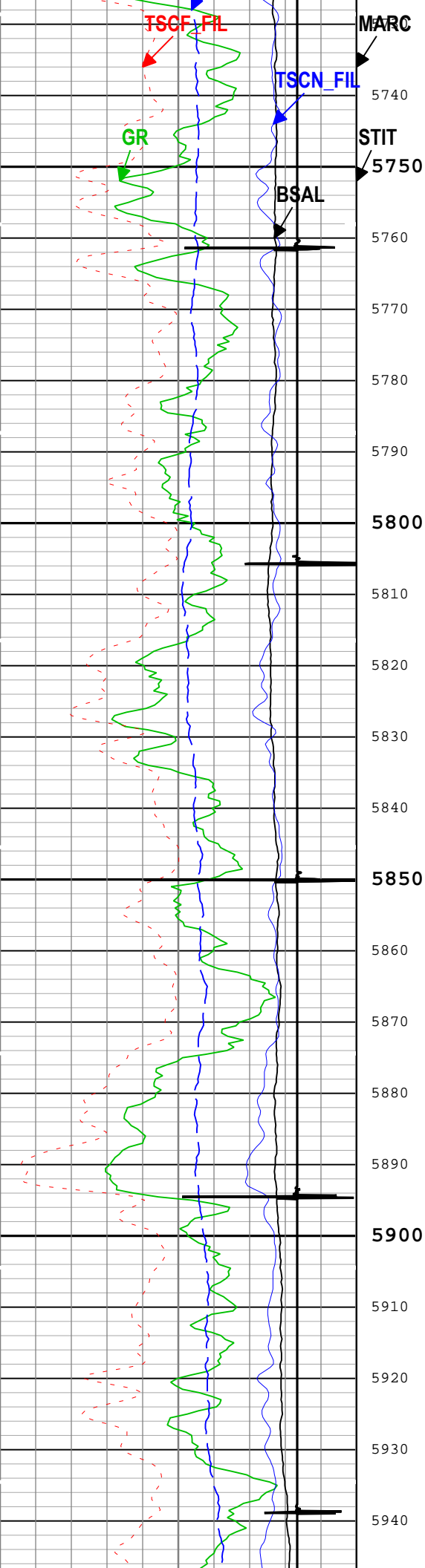




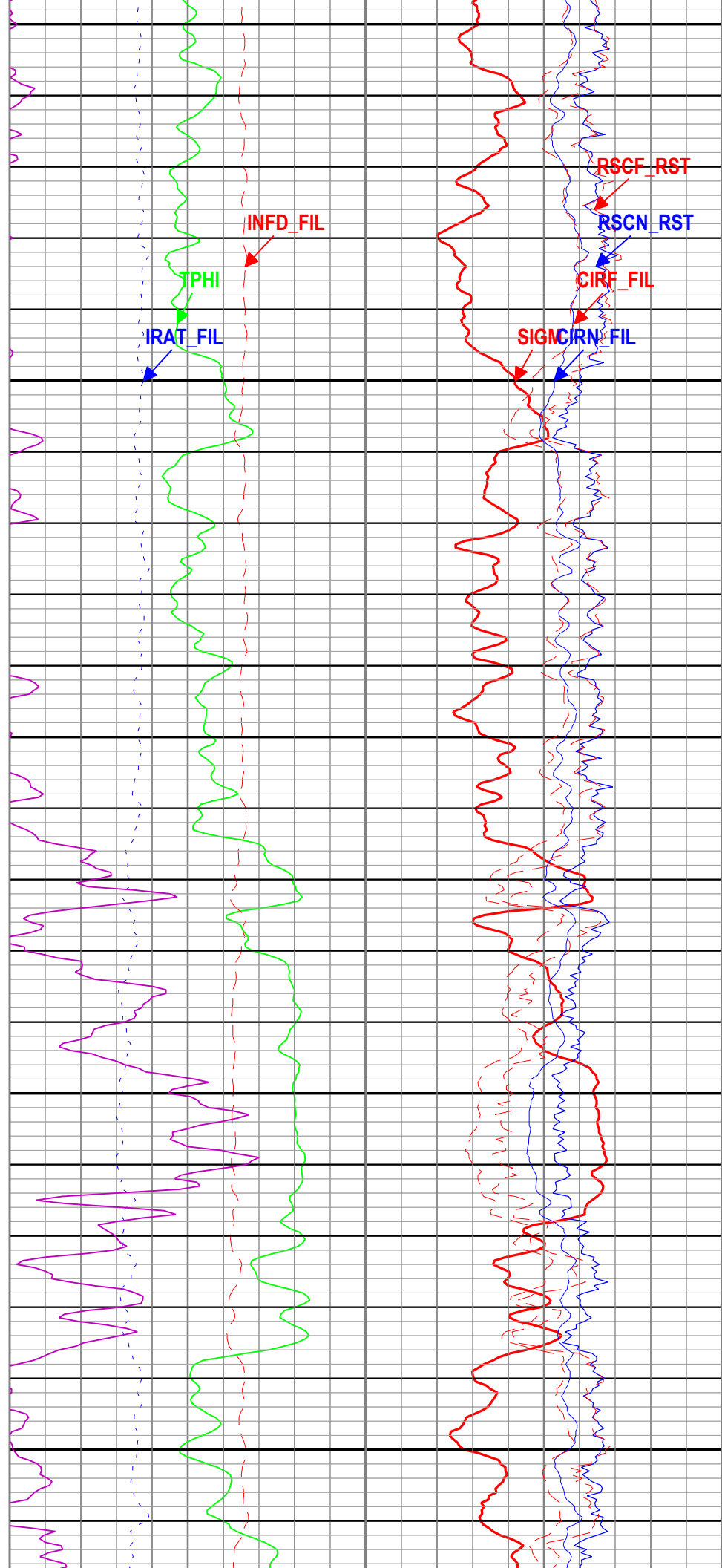
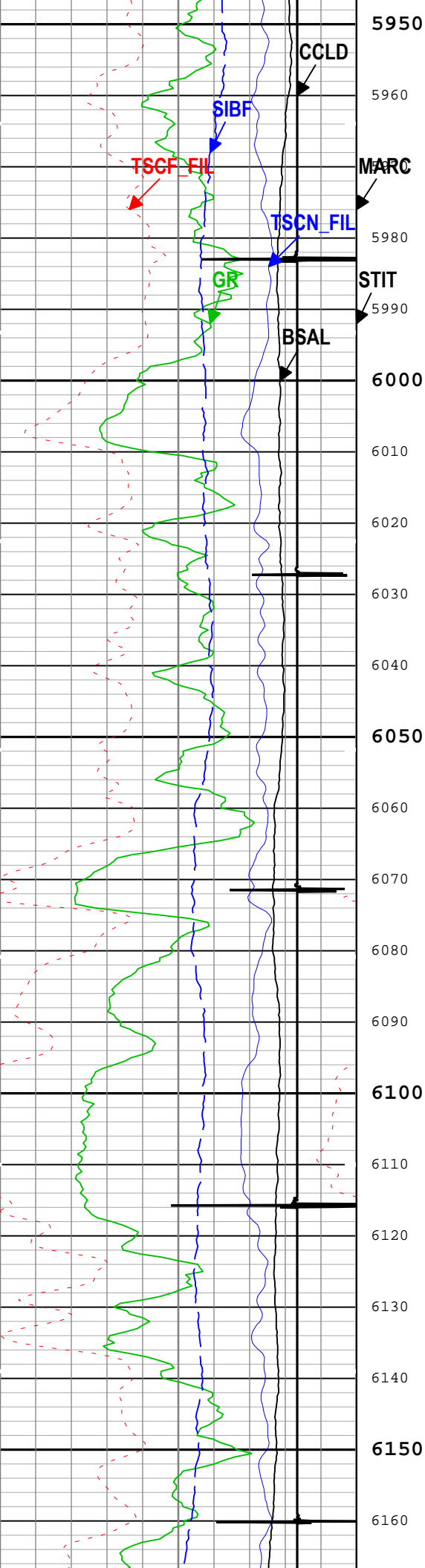


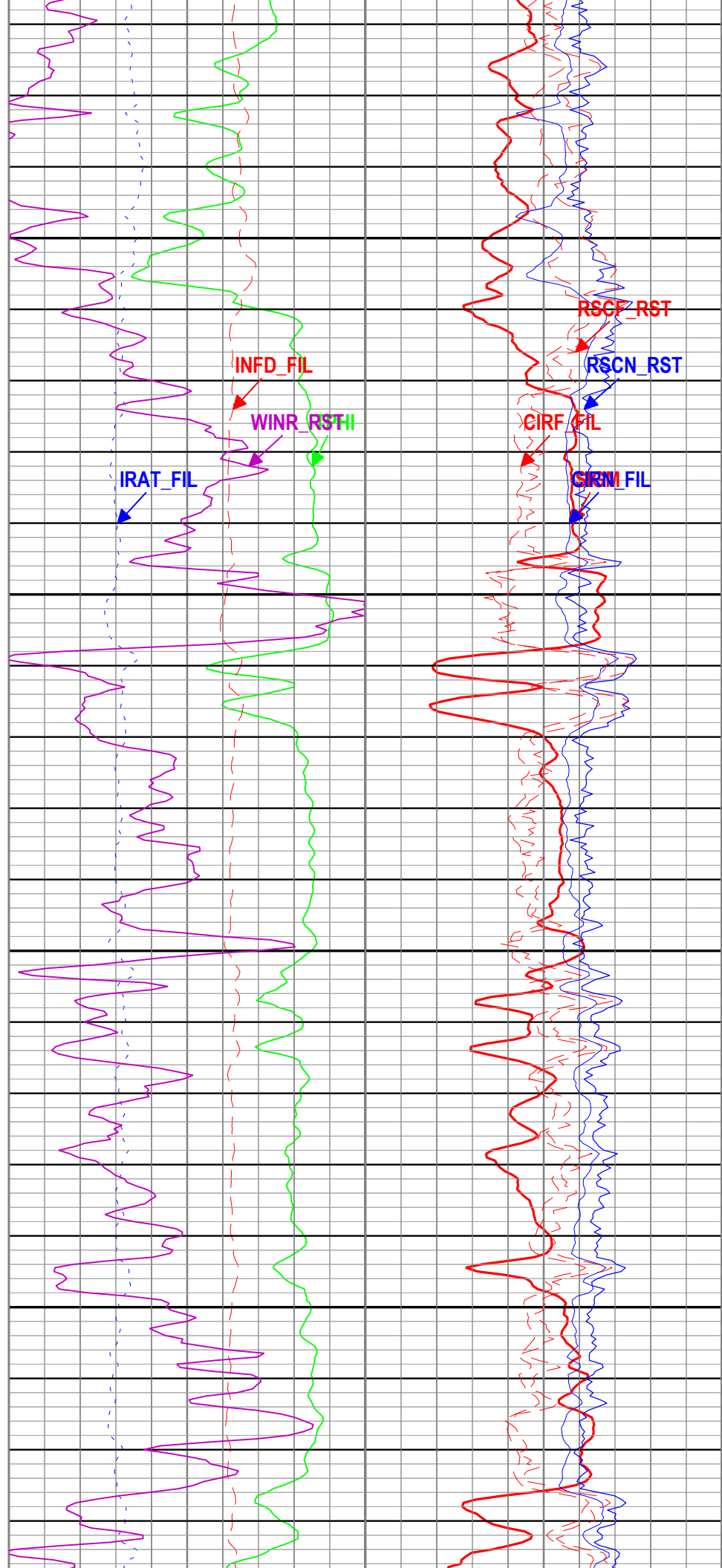
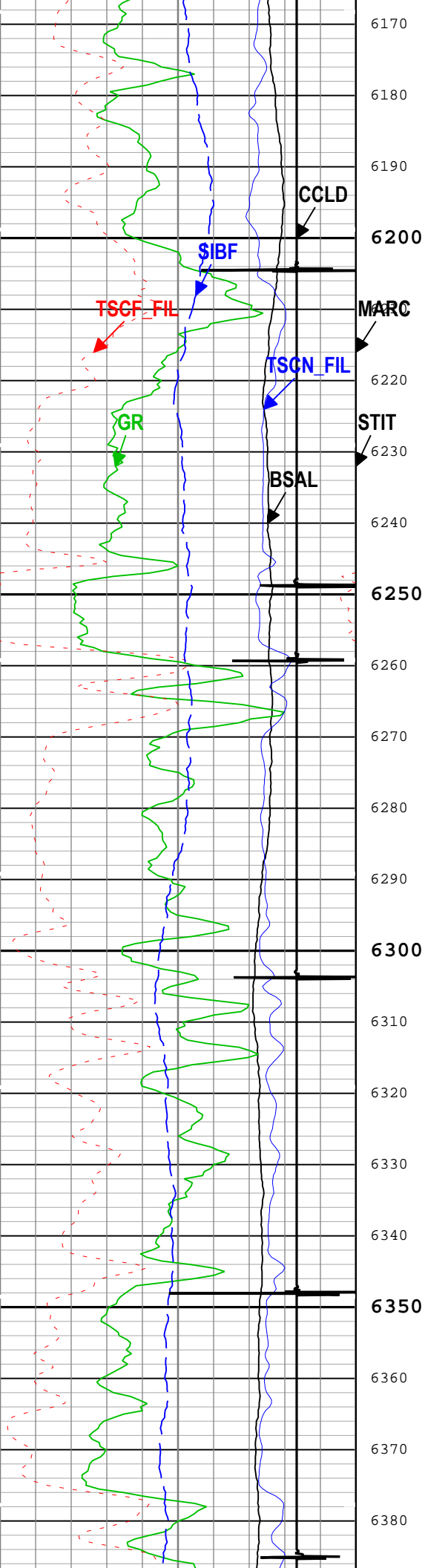


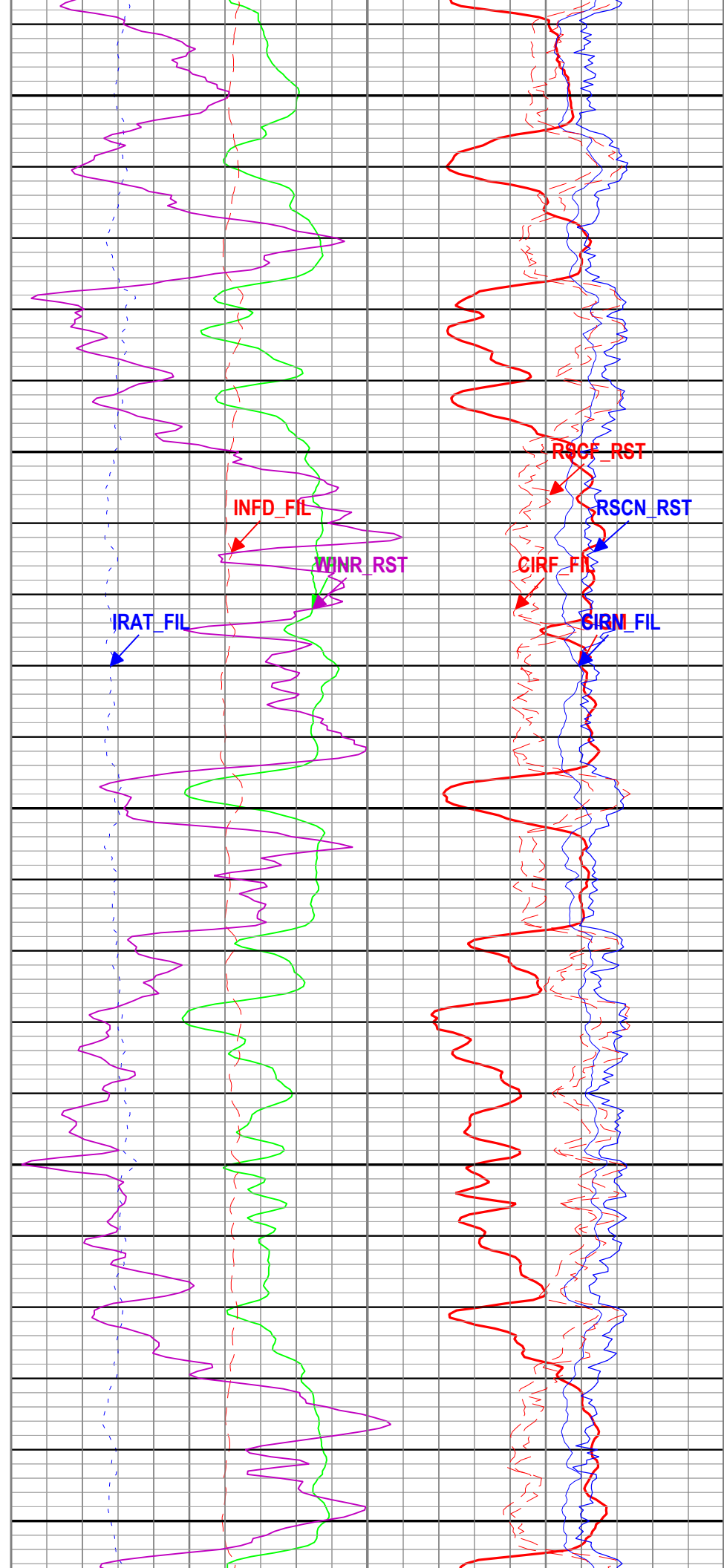
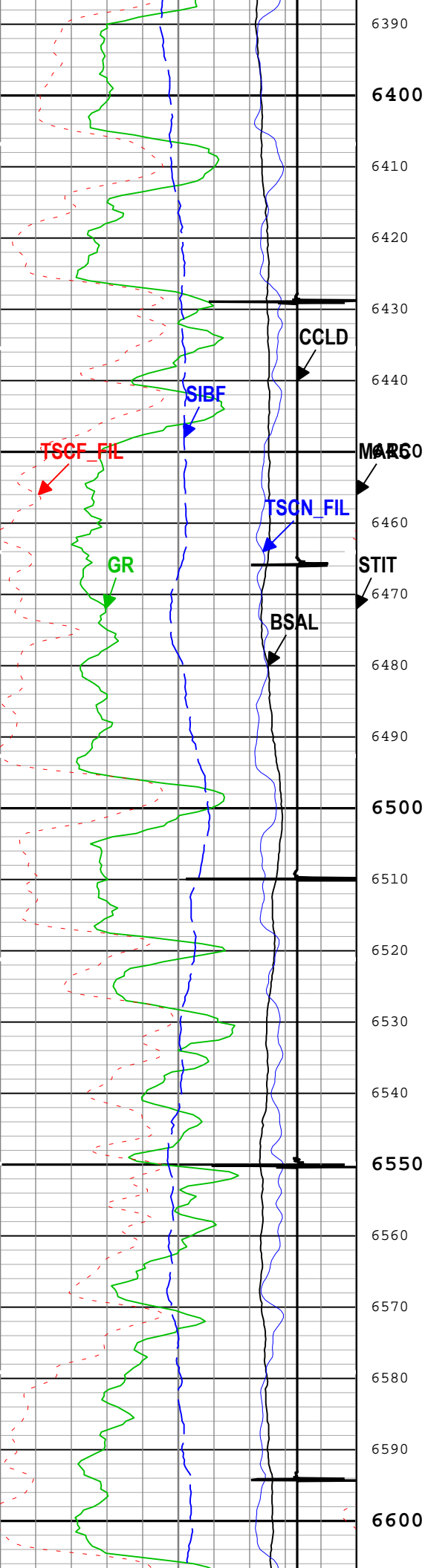




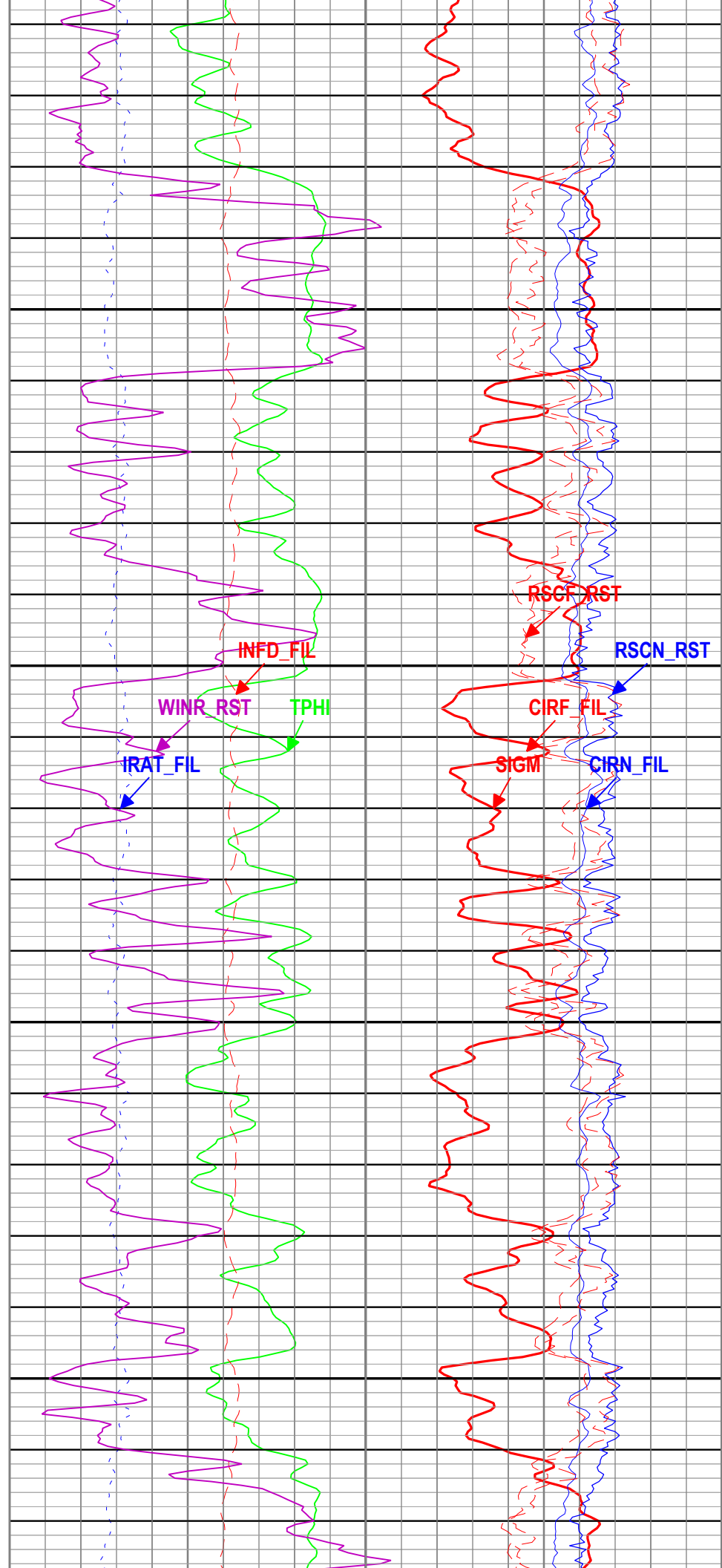
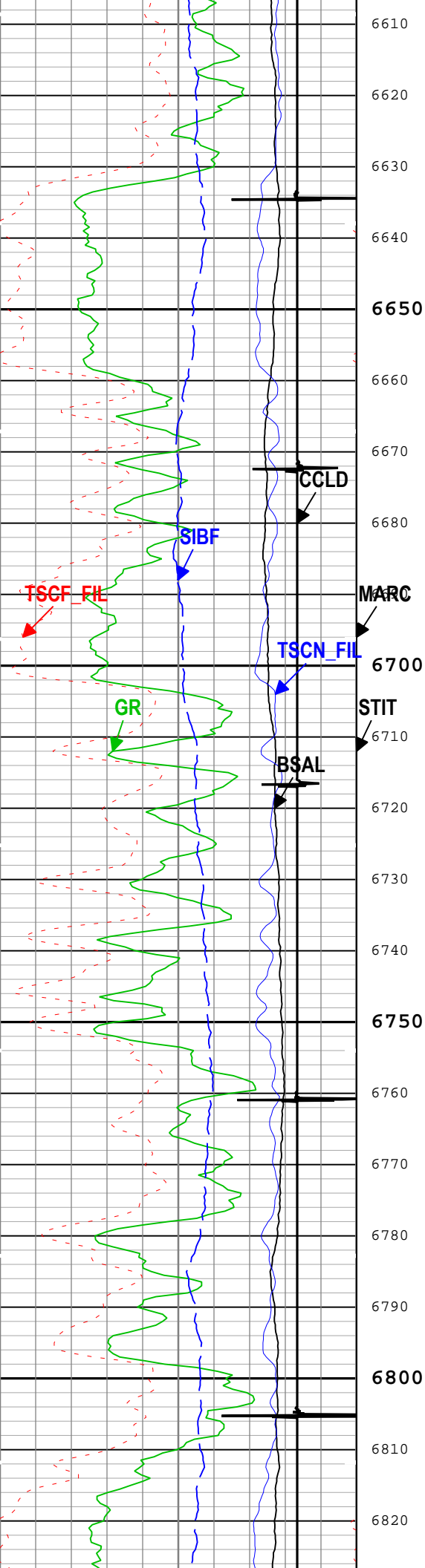


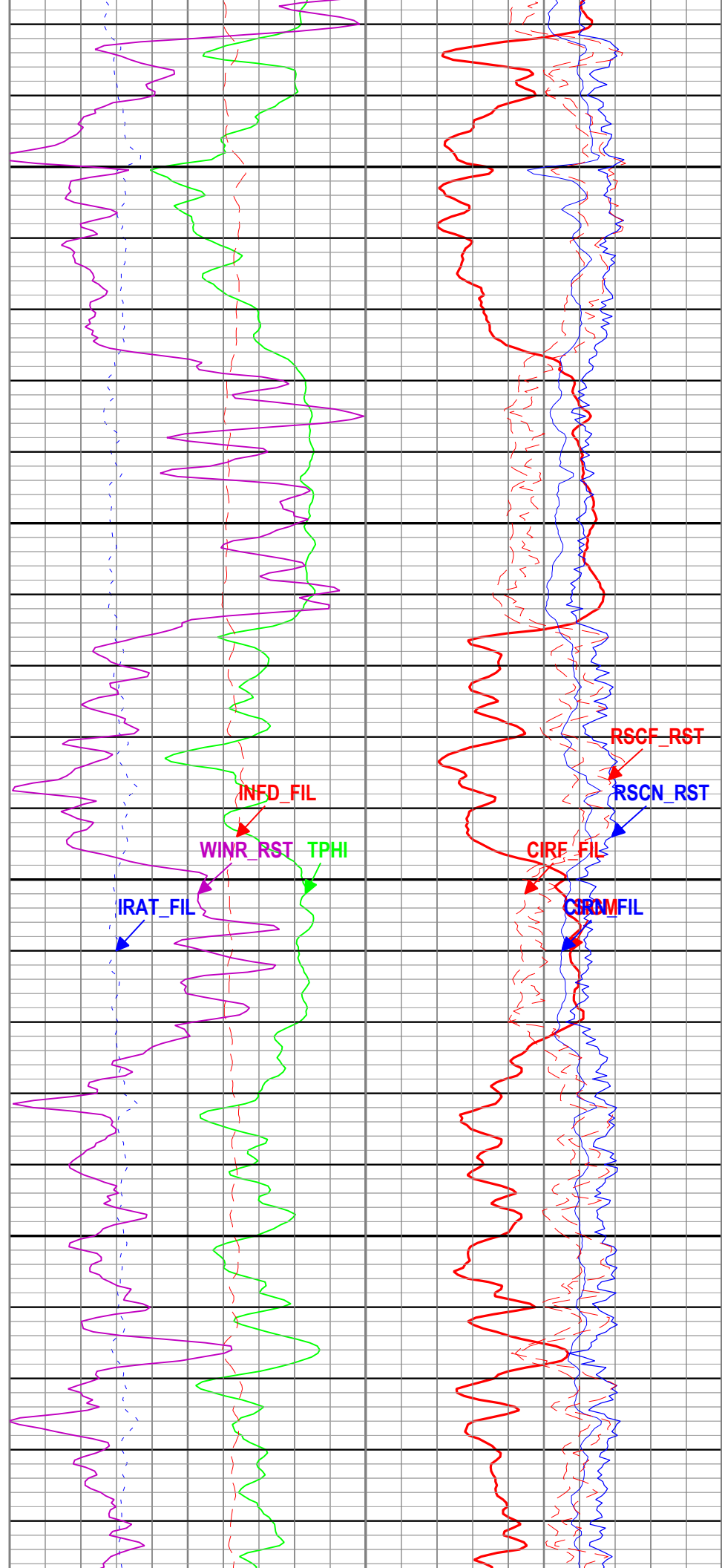
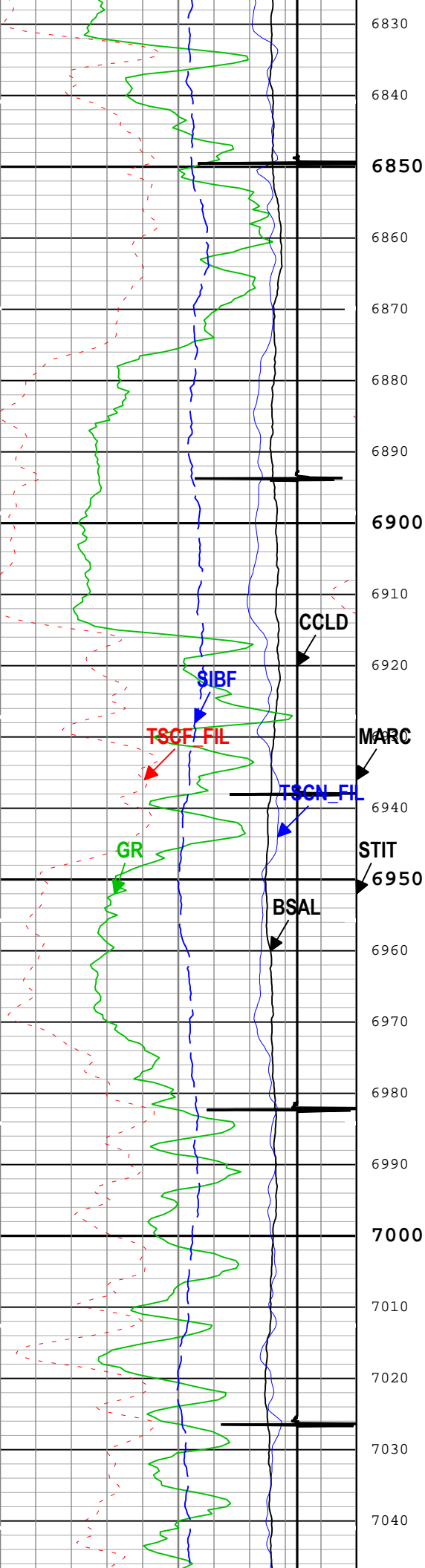


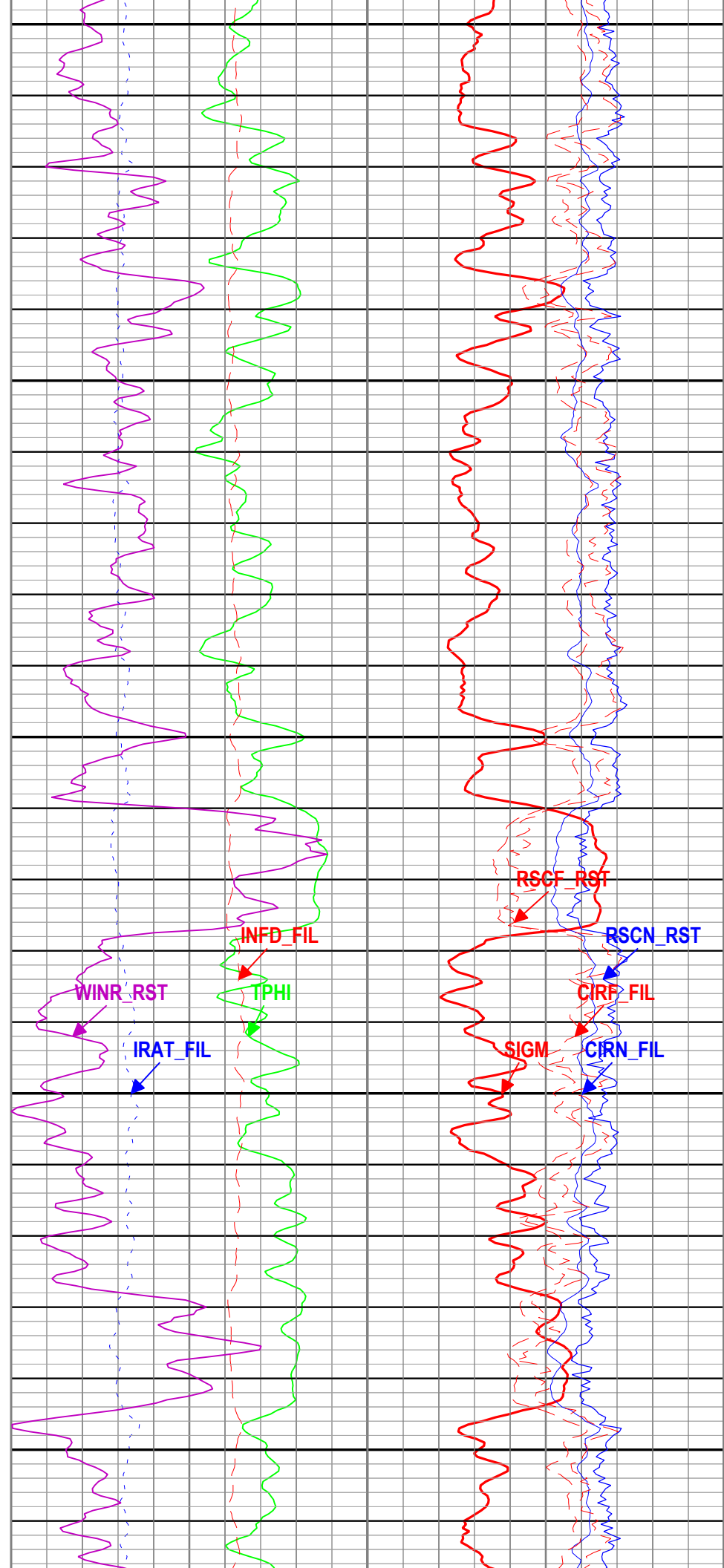
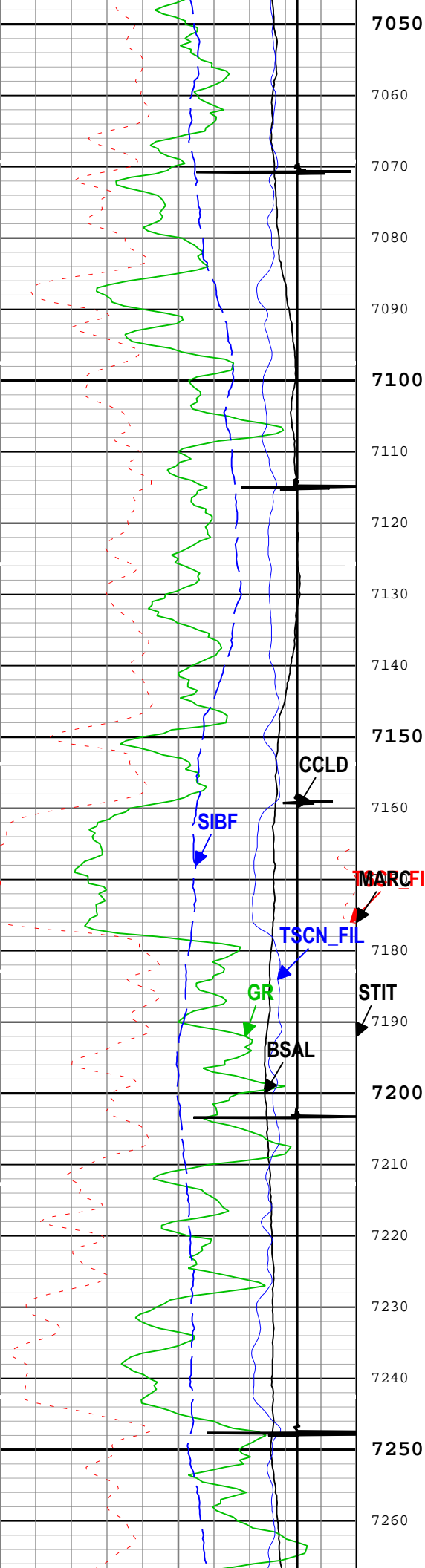


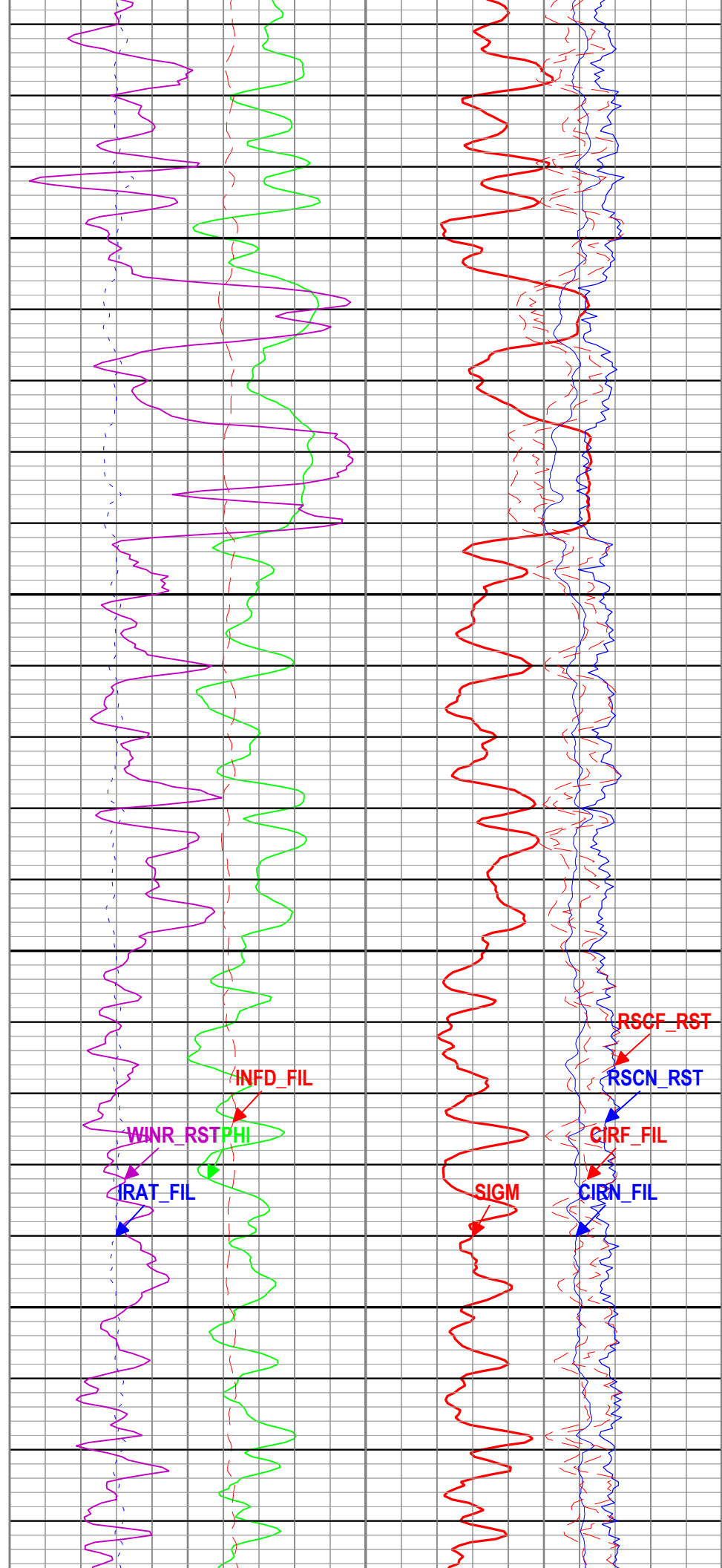
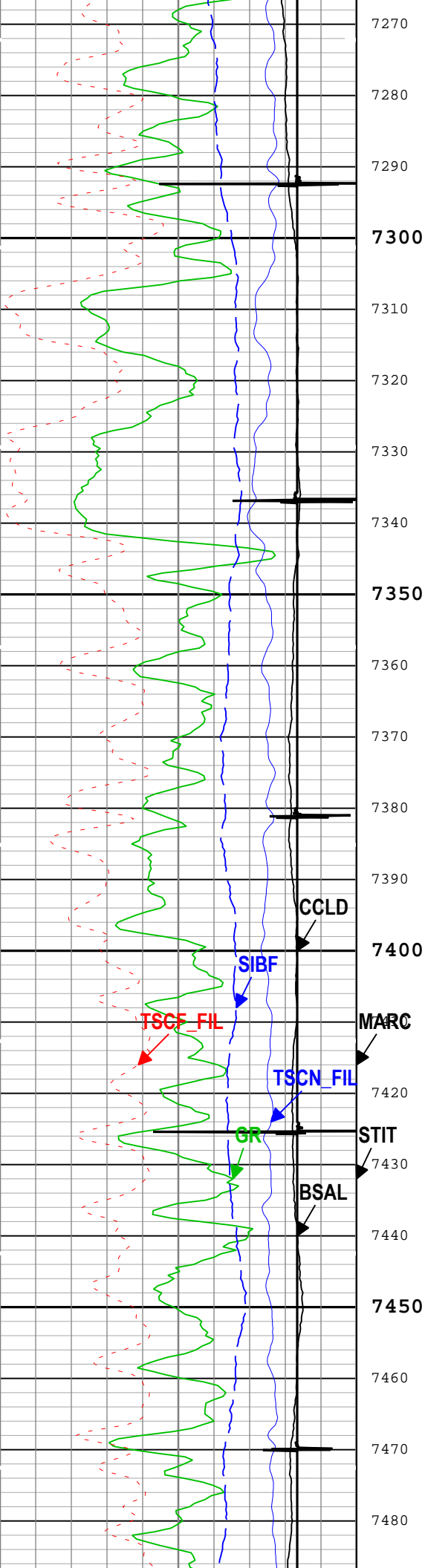




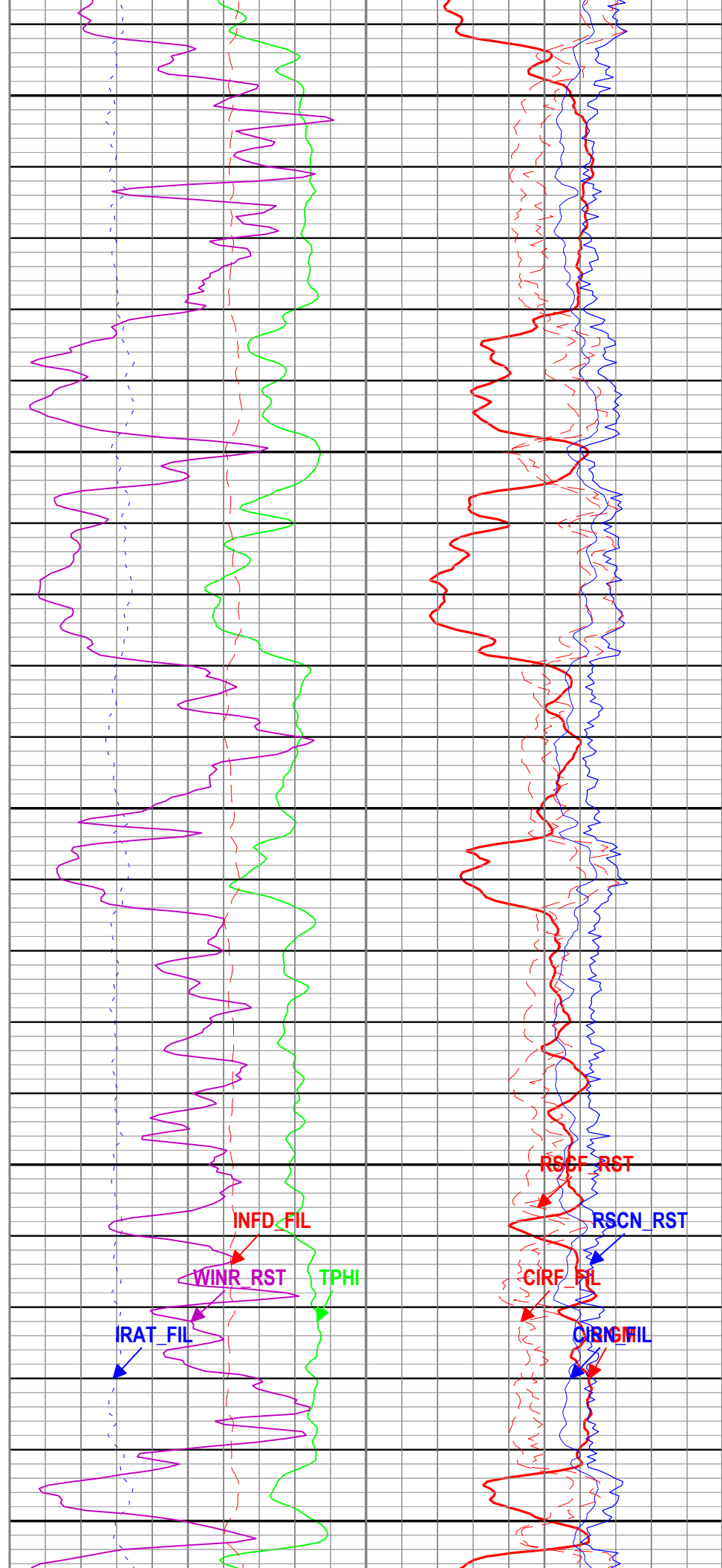
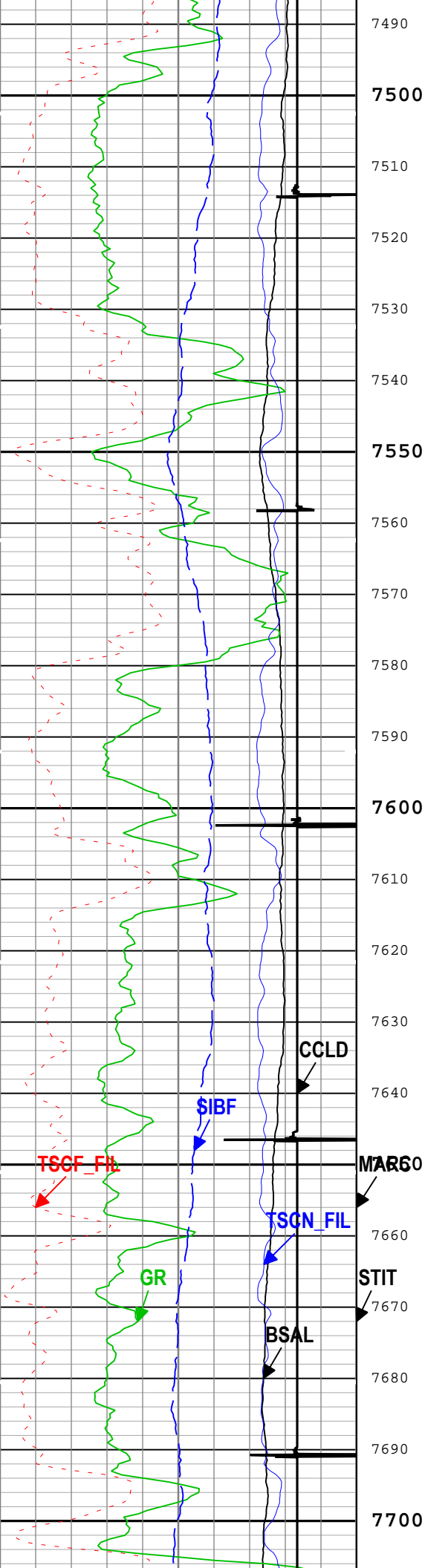


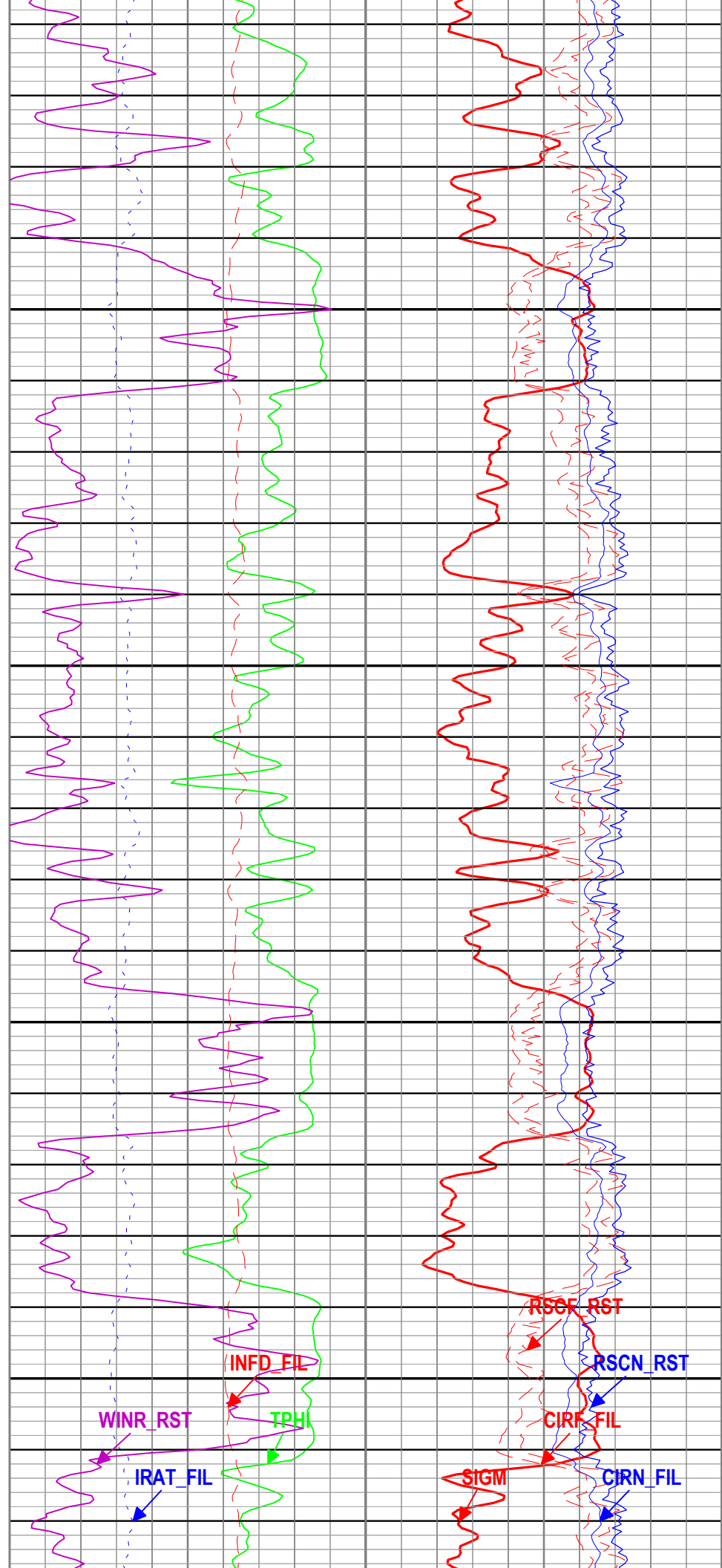
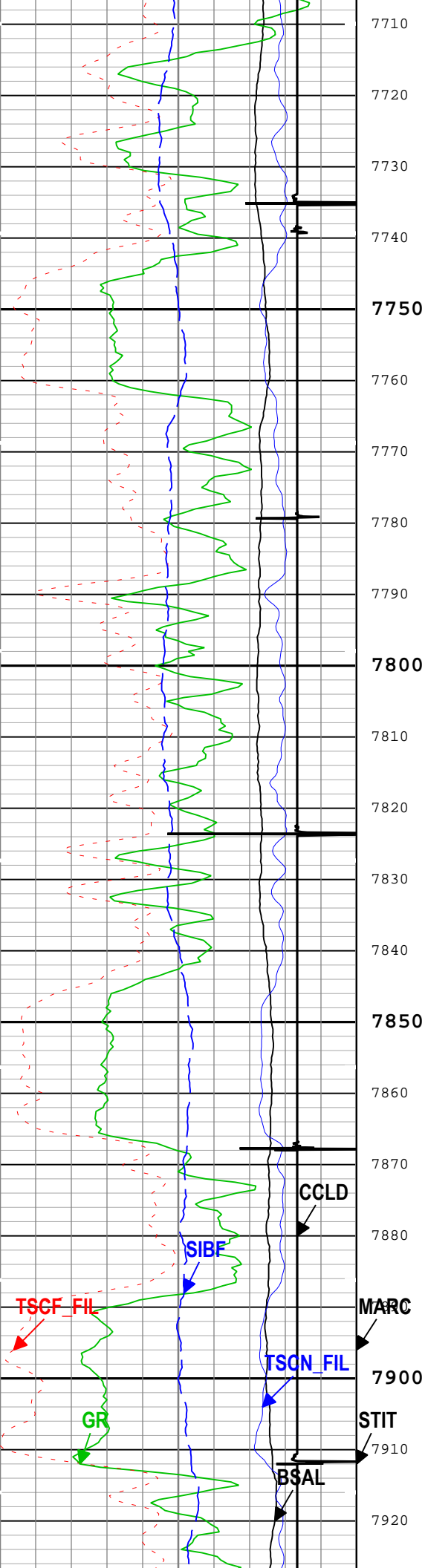


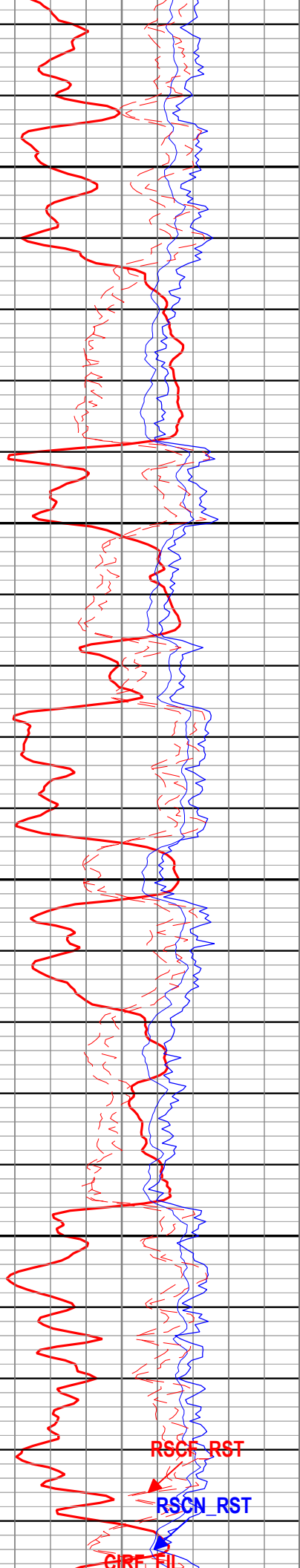
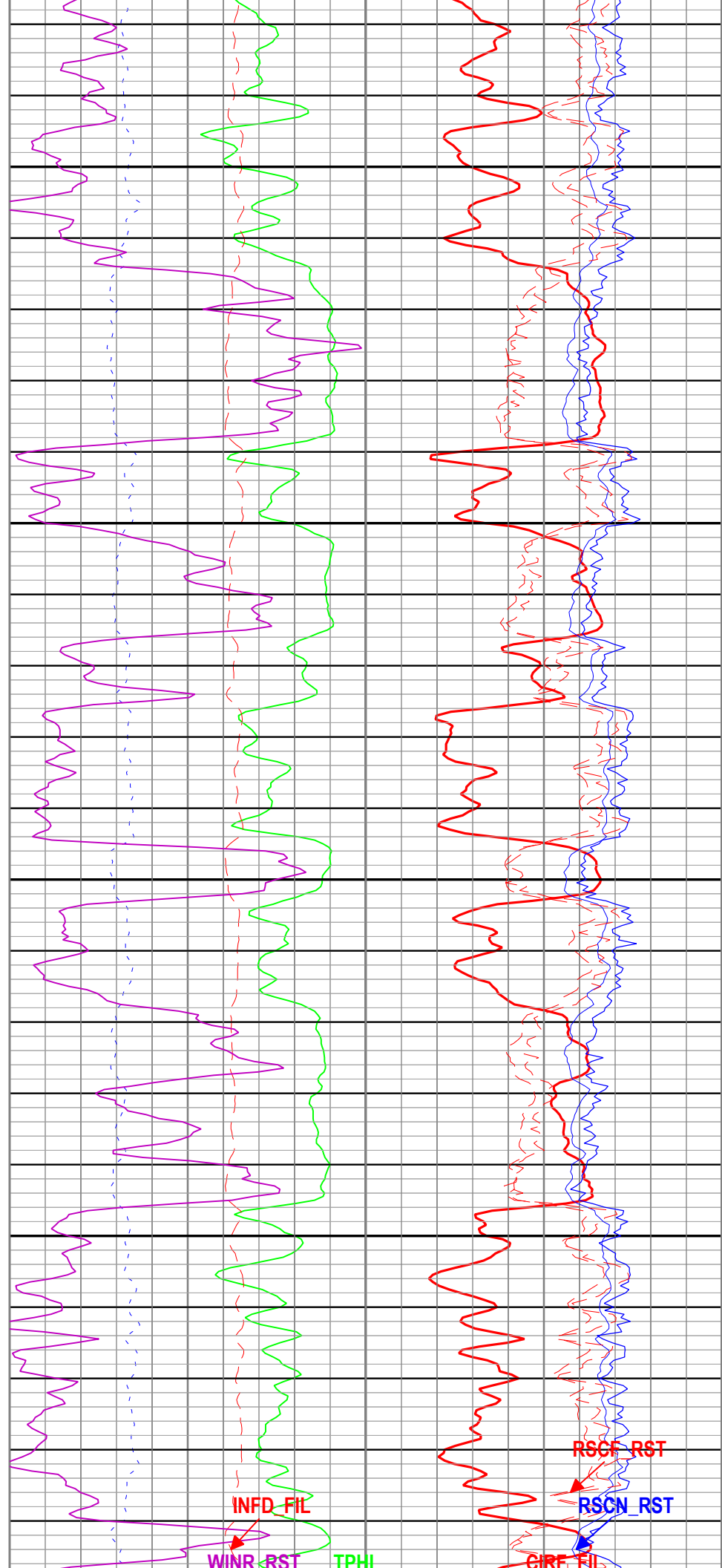
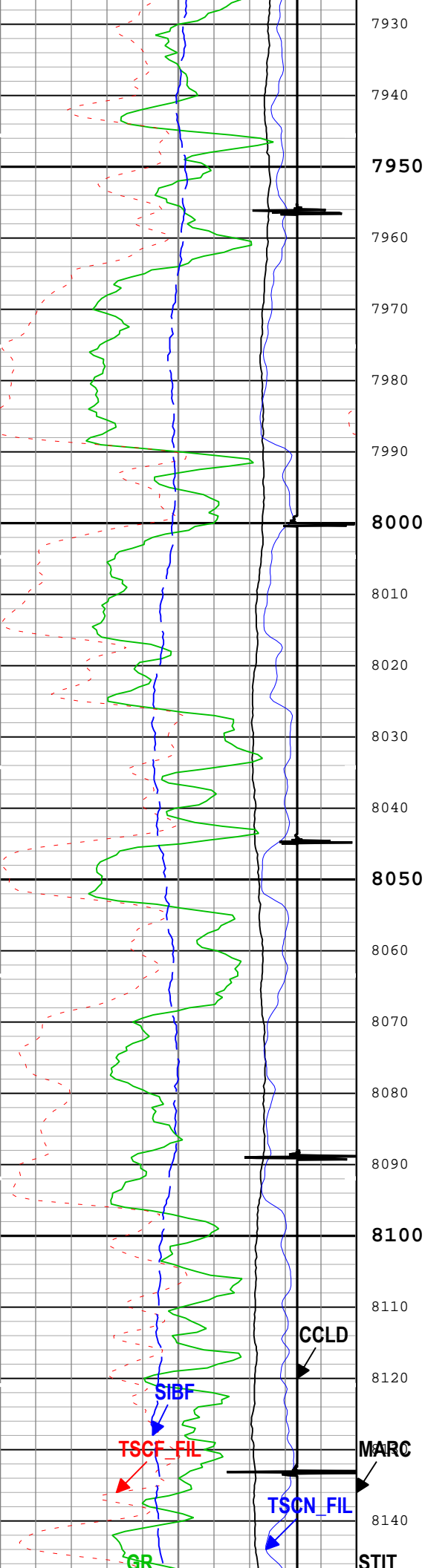


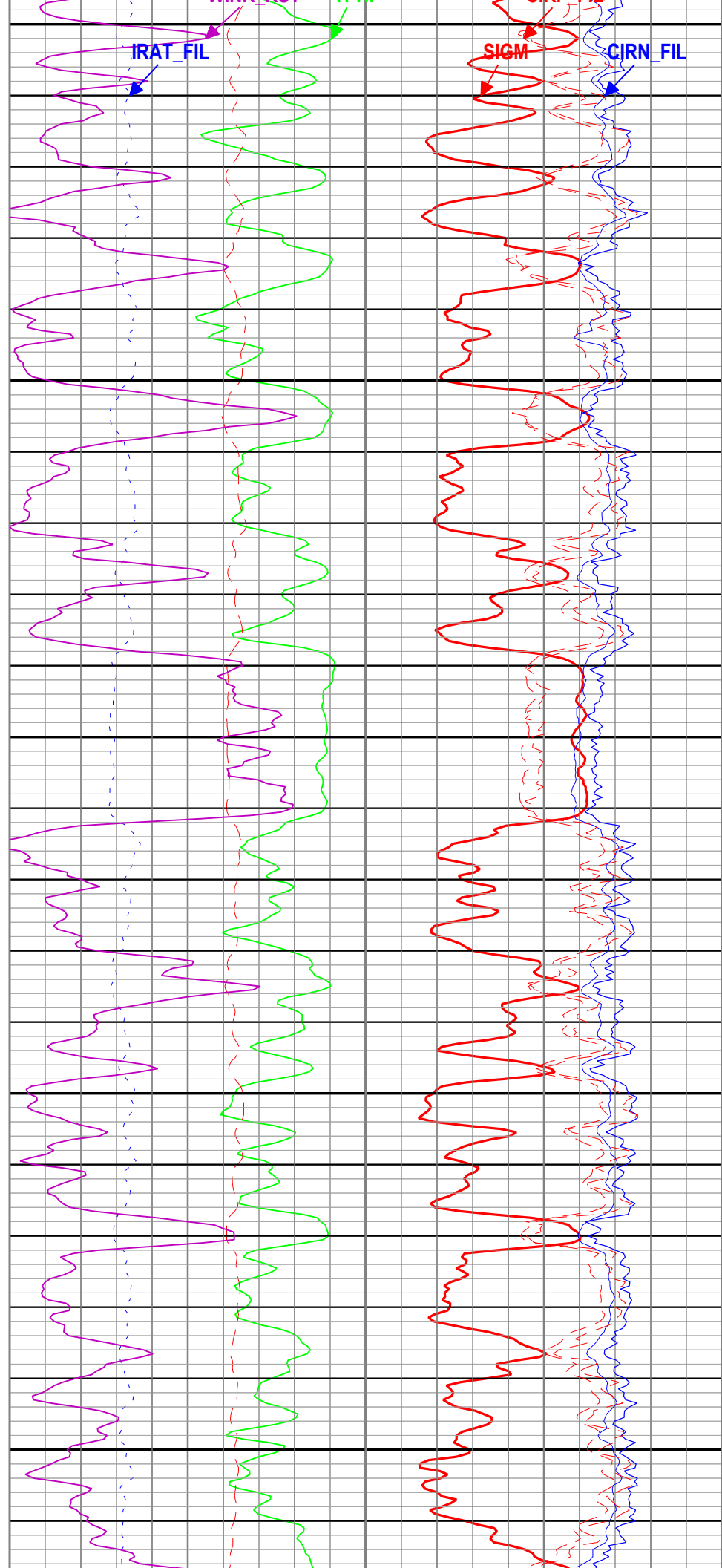
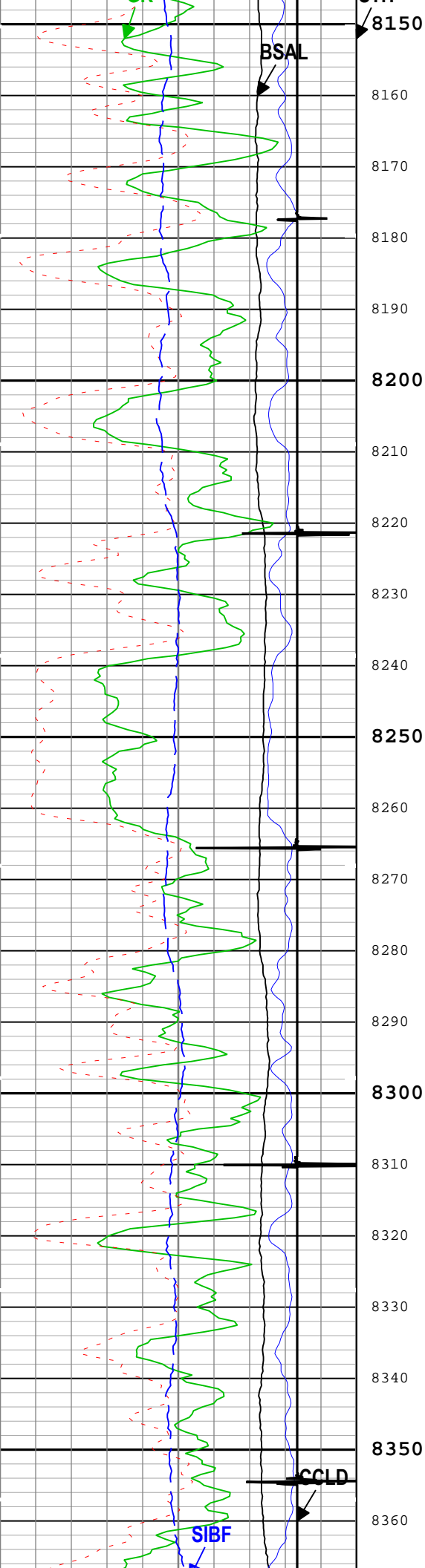




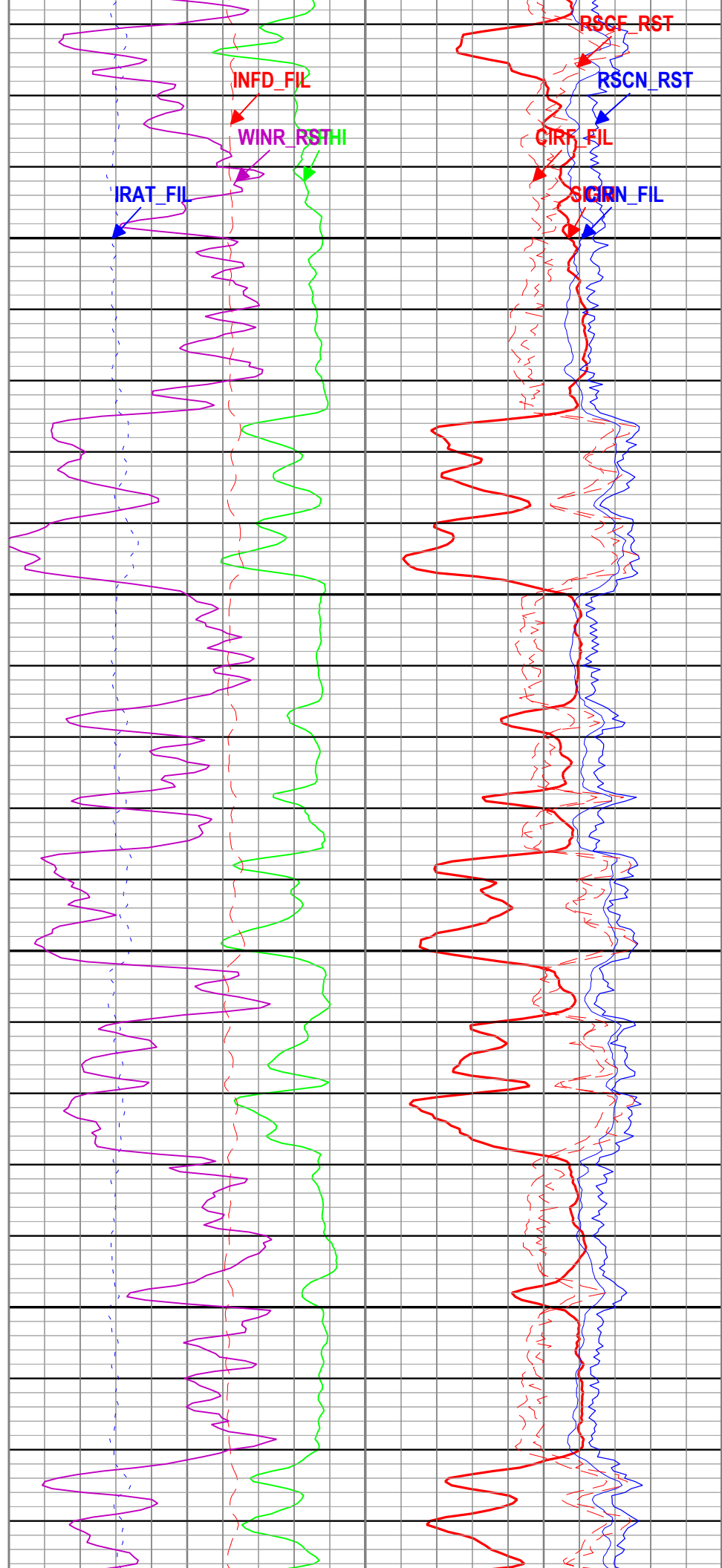
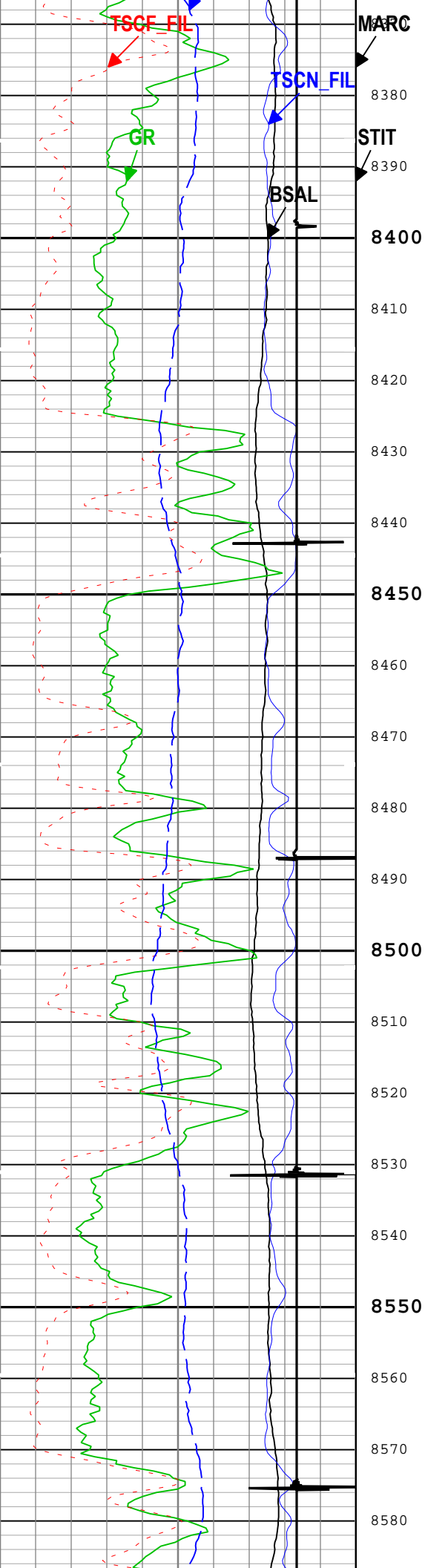


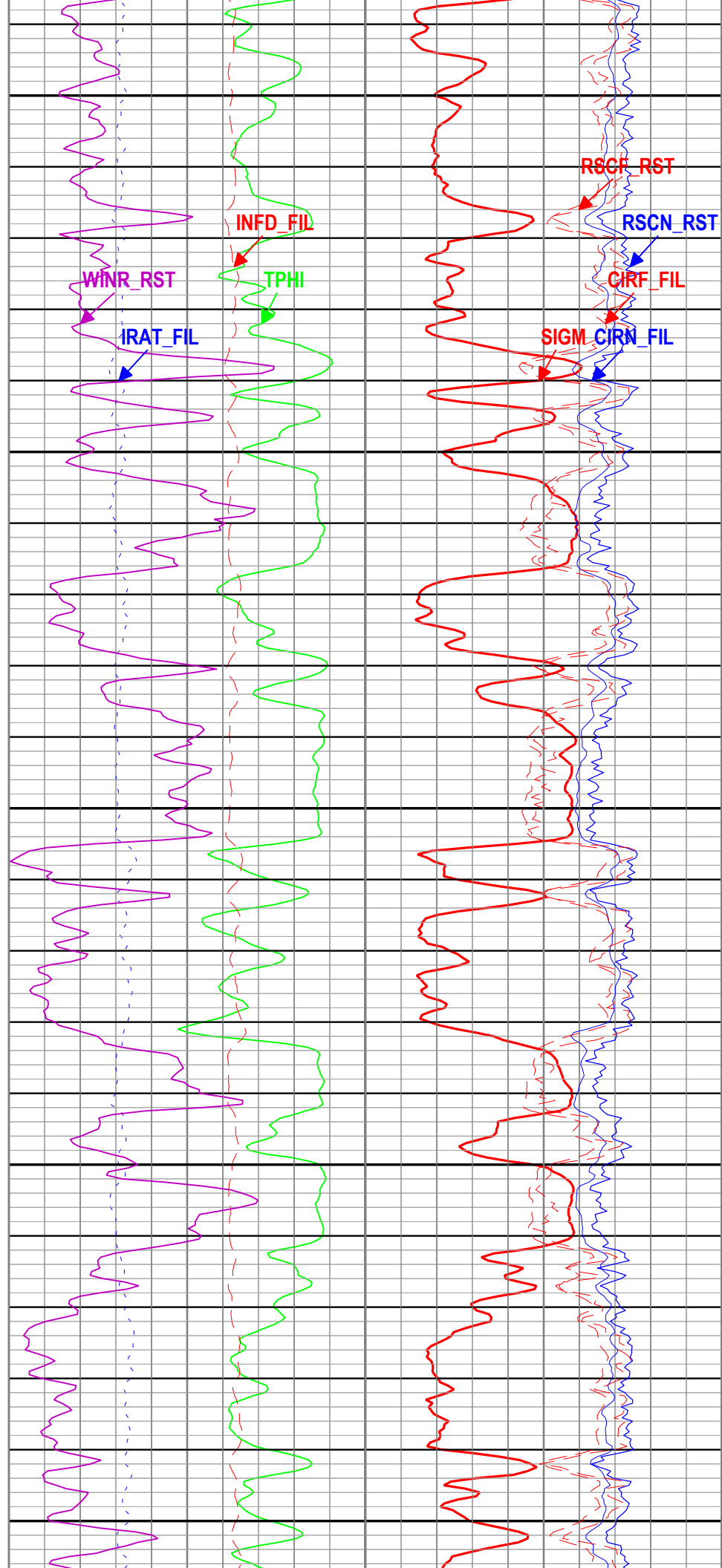
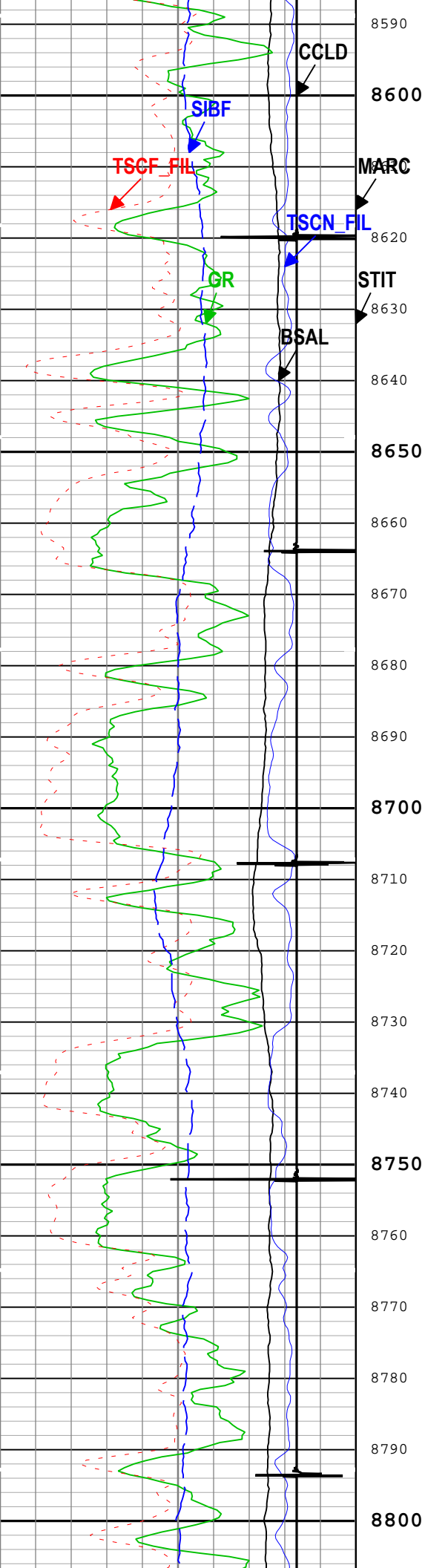


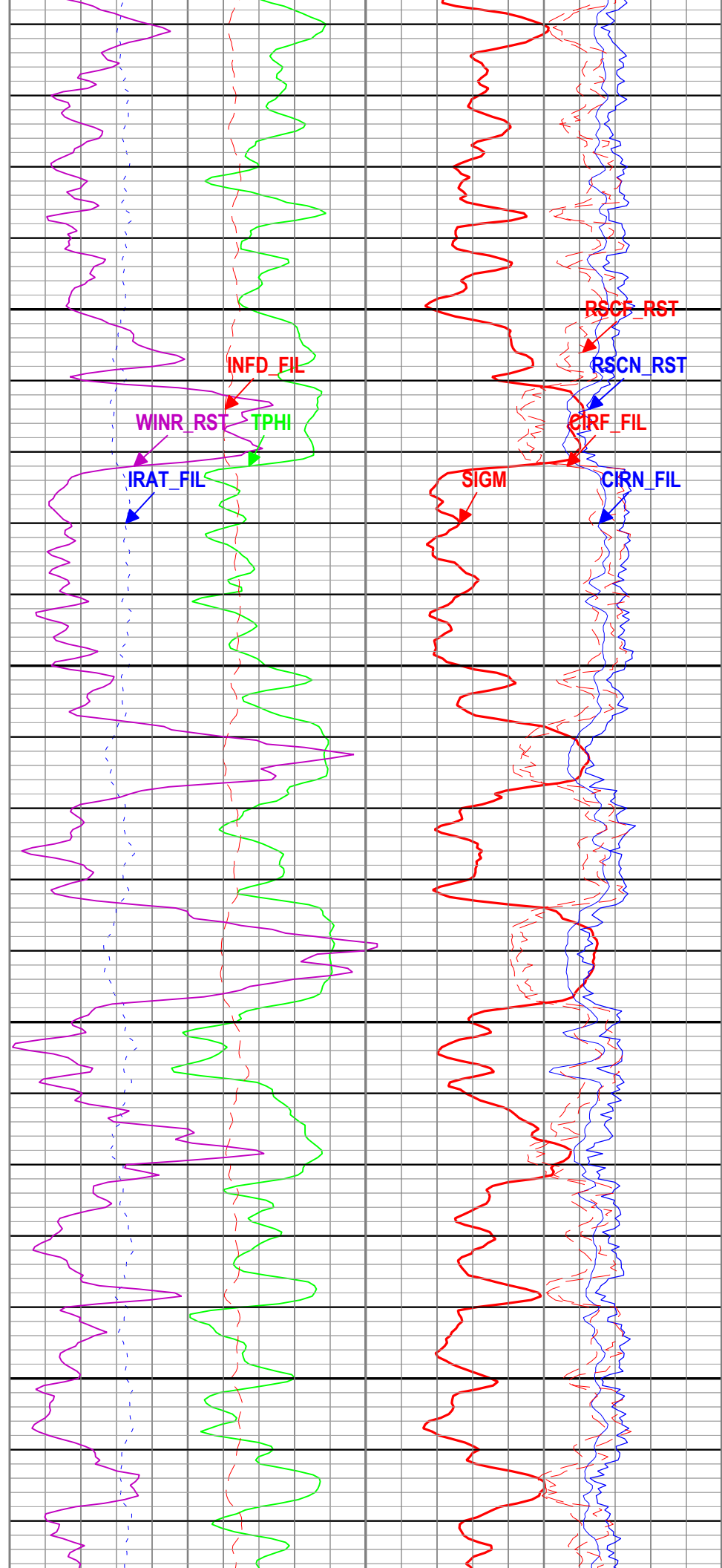
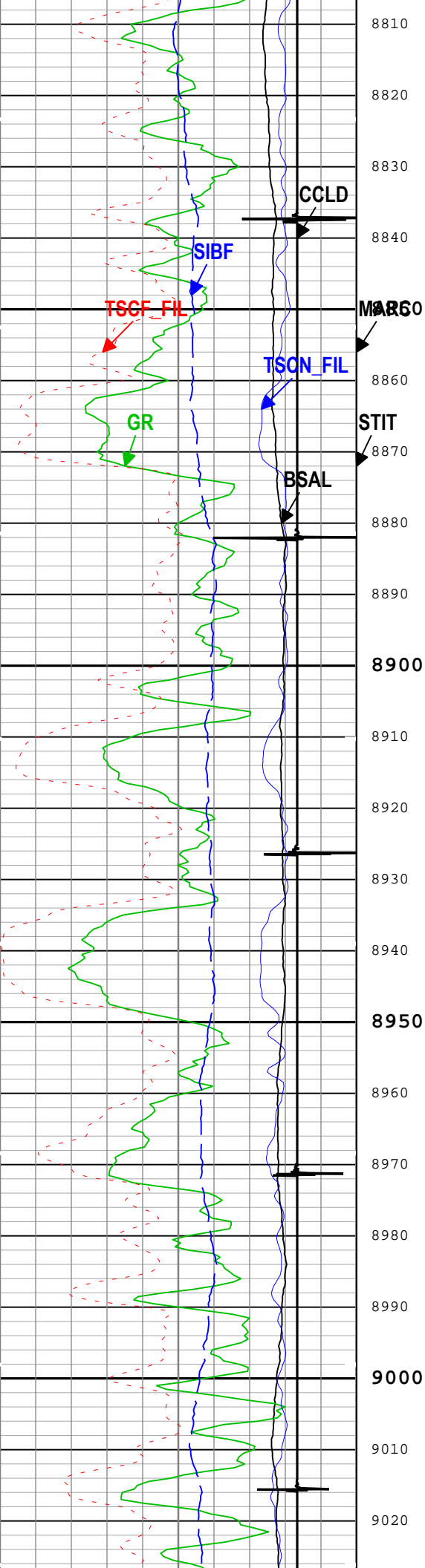


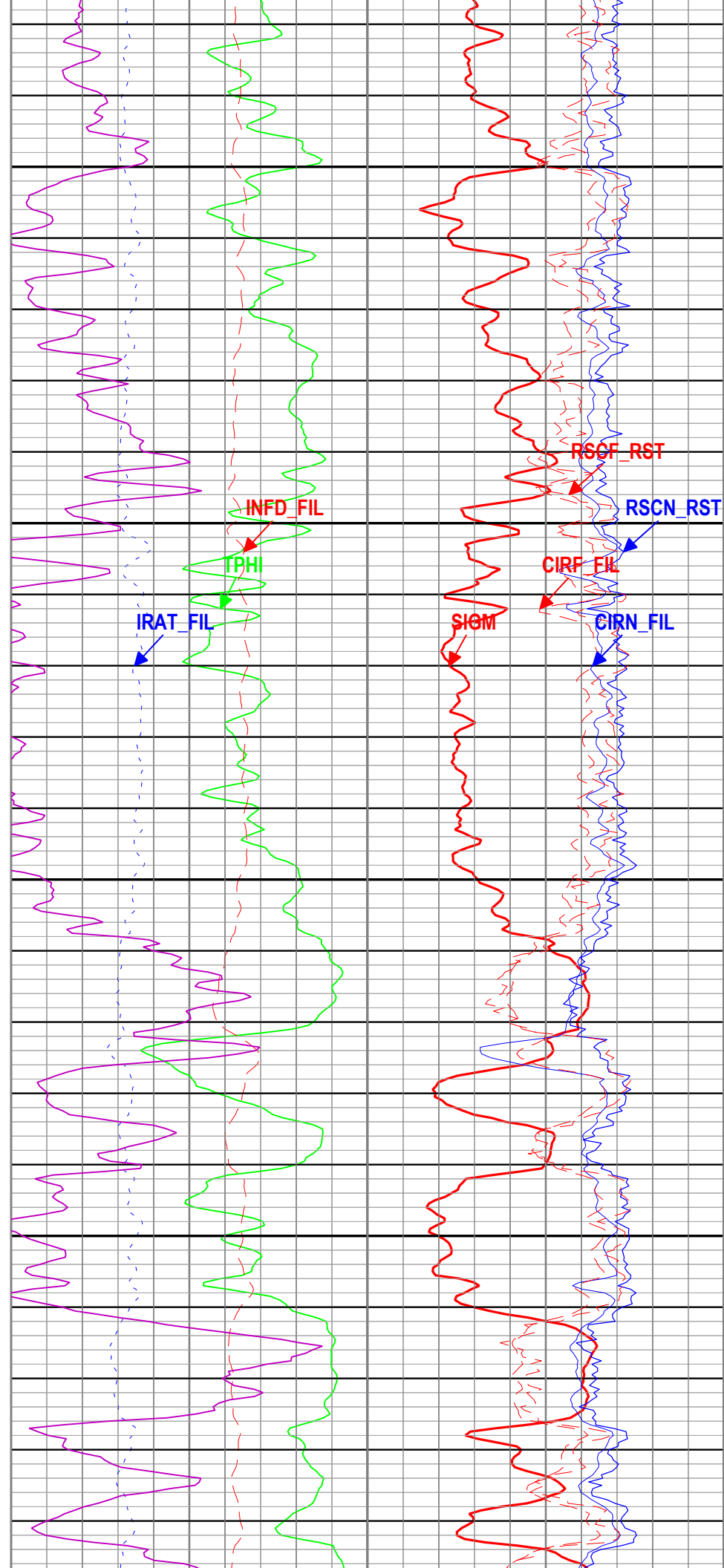
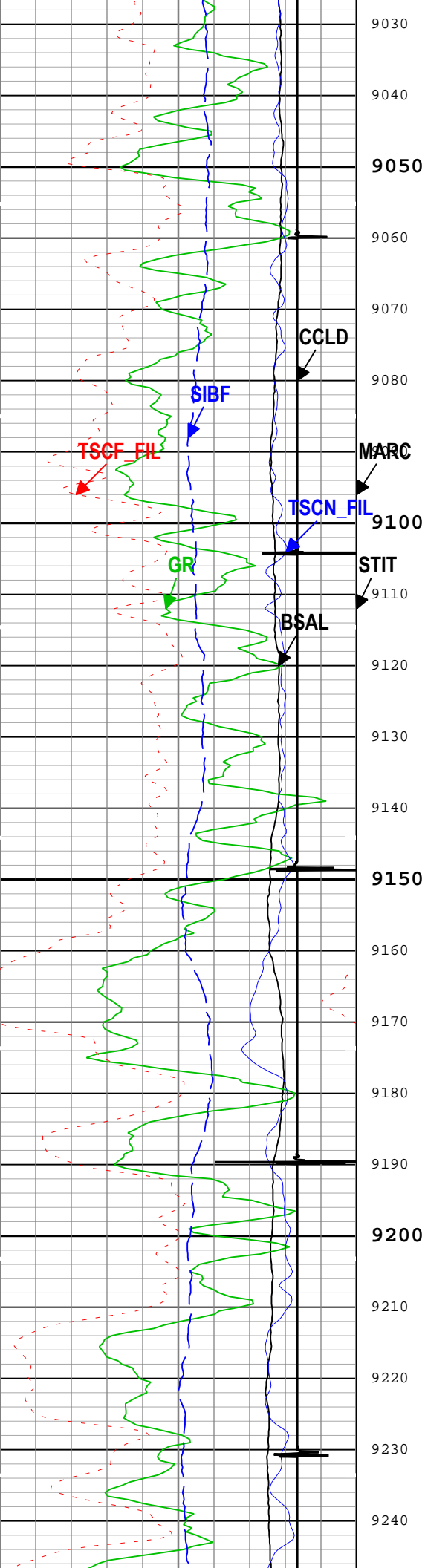




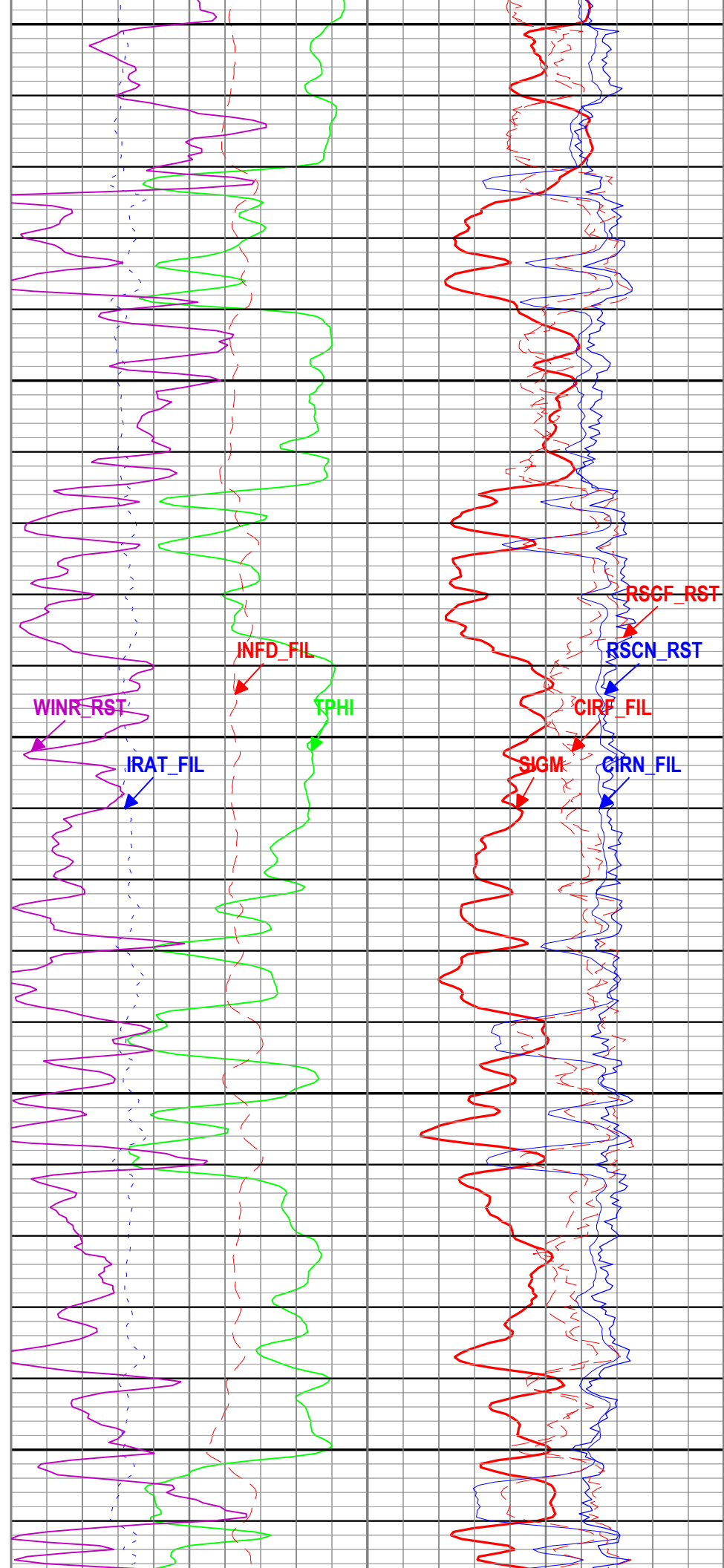
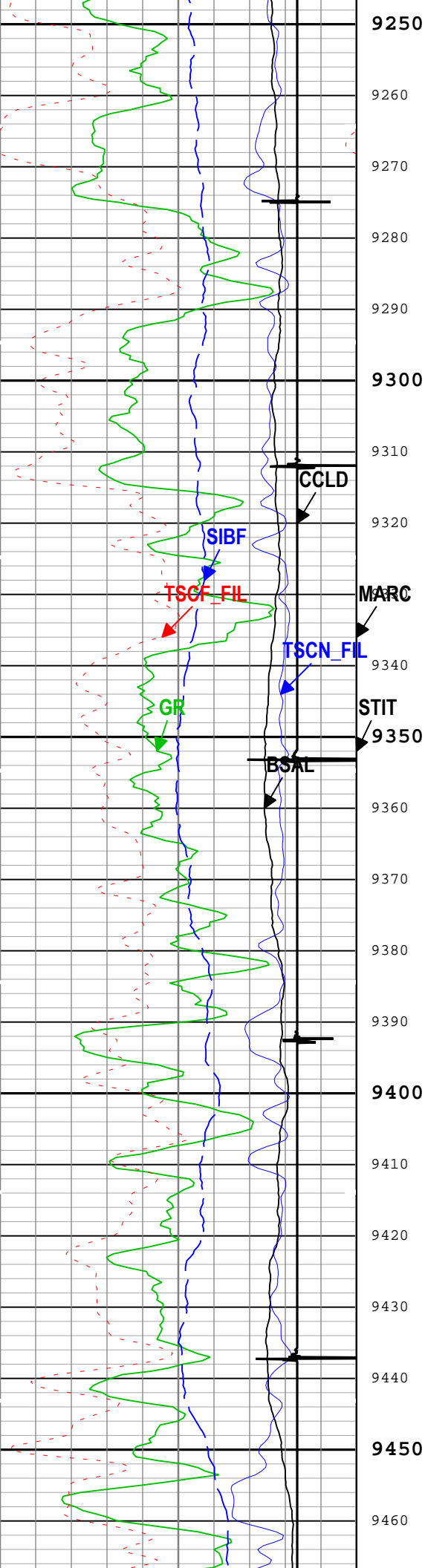


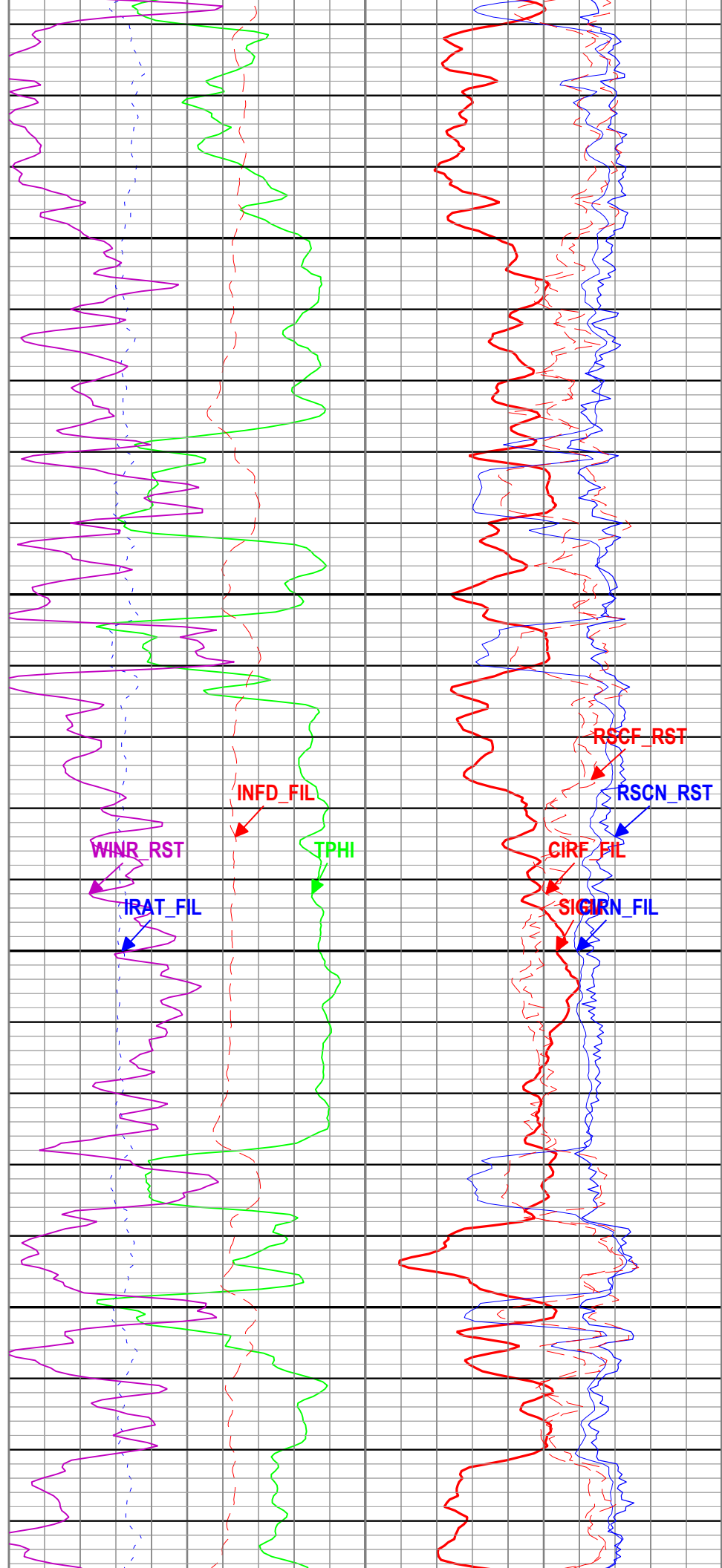
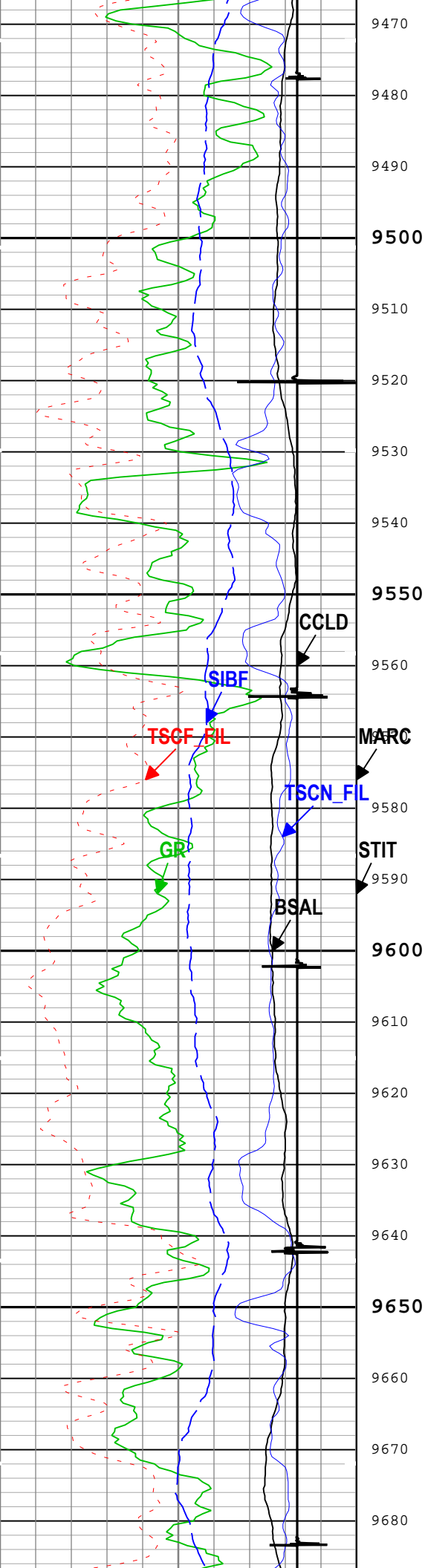


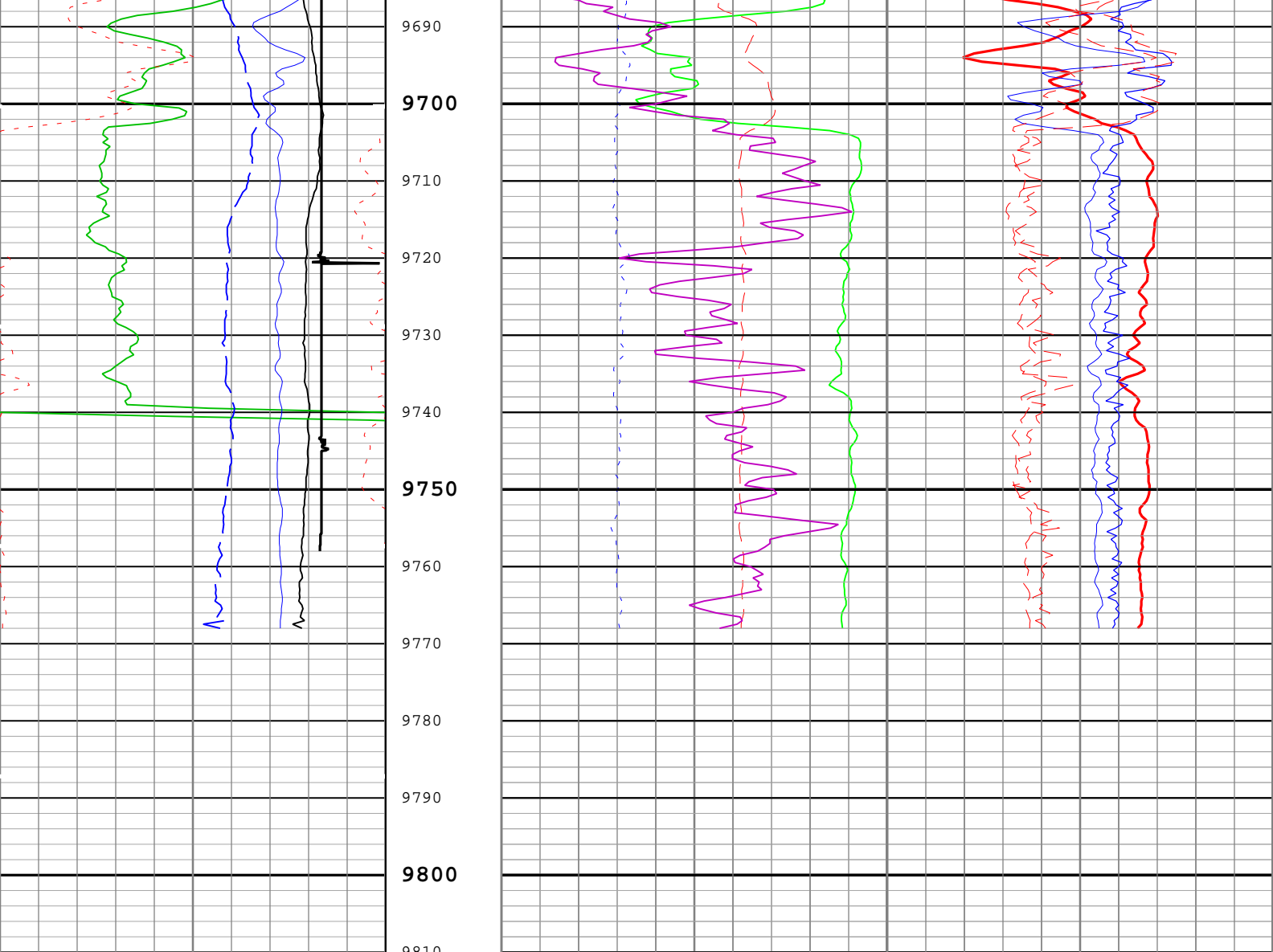












|   |      |     |                                    |  |   |     |
|---|------|-----|------------------------------------|--|---|-----|
| Borehole Salinity (BSAL) RST-C                                    |      |     | Stuck Tool Indicator, Total (STIT) | Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C           |   |     |
| 450   | ppk  | -50 |                                    | 60   | cu  | 0   |
| Gamma Ray (GR) PSTP-B   |      |     | 0 ft 50                            | Weighted Inelastic Ratio (WINR_RST) RST-C                              |   |     |
| 0   | gAPI | 150 |                                    | 0  |   | 0.4 |
| Total Selected Count Rate Near Detector Filtered (TSCN_FIL) RST-C |      |     | Cable Drag From STIA to STIT       | Inelastic Ratio Filtered (IRAT_FIL) RST-C                              | Capture to Inelastic Ratio Near Filtered (CIRN_FIL) RST-C               |     |
| 30000   | 1/s  | 0   |                                    | 0.75   | 0   | 2.5 |
| Total Selected Count Rate Far Detector Filtered (TSCF_FIL) RST-C  |      |     | Tool_Tot. Drag From D3T to STIT    | Thermal Decay Porosity (TPHI) RST-C                                    | Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C                |     |
| 12000   | 1/s  | 0   |                                    | 0.6  | ft3/ft3   | 0   |
| Sigma Borehole Fluid (SIBF) RST-C                                 |      |     | Minitron Arc Count (MARC) RST-C    | Gross Inelastic Count Rate Far Detector Filtered (INFD_FIL) RST-C      | Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C |     |
| 100   | cu   | 0   |                                    | 10000  | 1/s   | 0   |
| CCL Discriminated Amplitude (CCLD) PSTP-B                         |      |     | 0                                  | Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C |   |     |
| -5  | V    | 1   |                                    | 45   |   | 0   |
|   |      |     |                                    | 45   |   | 0   |

—| ICV - Integrated Cement Volume every 100.00 (ft3)

—| ICV - Integrated Cement Volume every 10.00 (ft3)

—| IHV - Integrated Hole Volume every 100.00 (ft3)

—| IHV - Integrated Hole Volume every 10.00 (ft3)

TIME\_1900 - Time Marked every 60.00 (s)

TIME\_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)

|                               |                                  |                              |                |                            |                                     |
|-------------------------------|----------------------------------|------------------------------|----------------|----------------------------|-------------------------------------|
| Description: RST SIGMA Answer | Format: Log ( RST SIGMA Answer ) | Index Scale: 5 in per 100 ft | Index Unit: ft | Index Type: Measured Depth | Creation Date: 18-Sep-2018 07:16:55 |
|-------------------------------|----------------------------------|------------------------------|----------------|----------------------------|-------------------------------------|

## Channel Processing Parameters

## One: Parameters

| Parameter    | Description                                  | Tool            | Value       | Unit |
|--------------|--|-----------------|-------------|------|
| BHS          | Borehole Status (Open or Cased Hole)         | Borehole        | Cased       |      |
| BS           | Bit Size                                     | WLSESSION       | Depth Zoned | in   |
| BSAL         | Borehole Salinity                            | Borehole        | 0           | ppm  |
| BSALOPT      | Borehole Salinity Option                     | RST-C           | Unknown     |      |
| DC_MODE      | Depth Correction Mode                        | DepthCorrection | Real-time   |      |
| DFT_CATEGORY | Drilling Fluid Type                          | Borehole        | Water       |      |
| MATR         | Rock Matrix for Neutron Porosity Corrections | Borehole        | SANDSTONE   |      |
| TD           | Total Measured Depth                         | Borehole        | 9799        | ft   |

## Depth Zone Parameters

| Parameter | Value | Start ( ft ) | Stop ( ft ) |
|-----------|-------|--------------|-------------|
| BS        | 14.75 | 2800         | 2988        |
| BS        | 8.75  | 2988         | 9810.24     |

All depth are actual.

## Tool Control Parameters

## One: Parameters

| Parameter     | Description                      | Tool      | Value | Unit |
|---------------|----------------------------------|-----------|-------|------|
| MAX_LOG_SPEED | Toolstring Maximum Logging Speed | WLSESSION | 150   | ft/h |
| PCCG          | PSP Downhole CCL Gain            | PSTP-B    | 12 dB |      |
| RST_DLM       | Depth Log Mode                   | RST-C     | Sigma |      |

# One

## Repeat Pass

## Software Version

| Acquisition System | Version                                      |
|--------------------|--|
| Maxwell 2018 SP1   | 8.1.99839.3100                               |
| Application Patch  | Wireline_Hotfix-Mandatory-2018SP1_8.1.102865 |

## Pass Summary

| Run Name | Pass Objective | Direction | Top        | Bottom     | Start                     | Stop                      | DSC Mode | Depth Shift | Include Parallel Data |
|----------|----------------|-----------|------------|------------|---------------------------|---------------------------|----------|-------------|-----------------------|
| One      | Log[2]:Up      | Up        | 9371.05 ft | 9791.53 ft | 16-Sep-2018<br>1:28:19 AM | 16-Sep-2018<br>1:42:48 AM | ON       | 8.21 ft     | No                    |

All depths are referenced to toolstring zero

## Log

Company:Caerus Operating LLC      Well:NPR 23D-10 596

One: Log[2]:Up:S002

Description: RST SIGMA Answer    Format: Log ( RST SIGMA Answer )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 18-Sep-2018 07:16:59

TIME\_1900 - Time Marked every 60.00 (s)

TIME\_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)

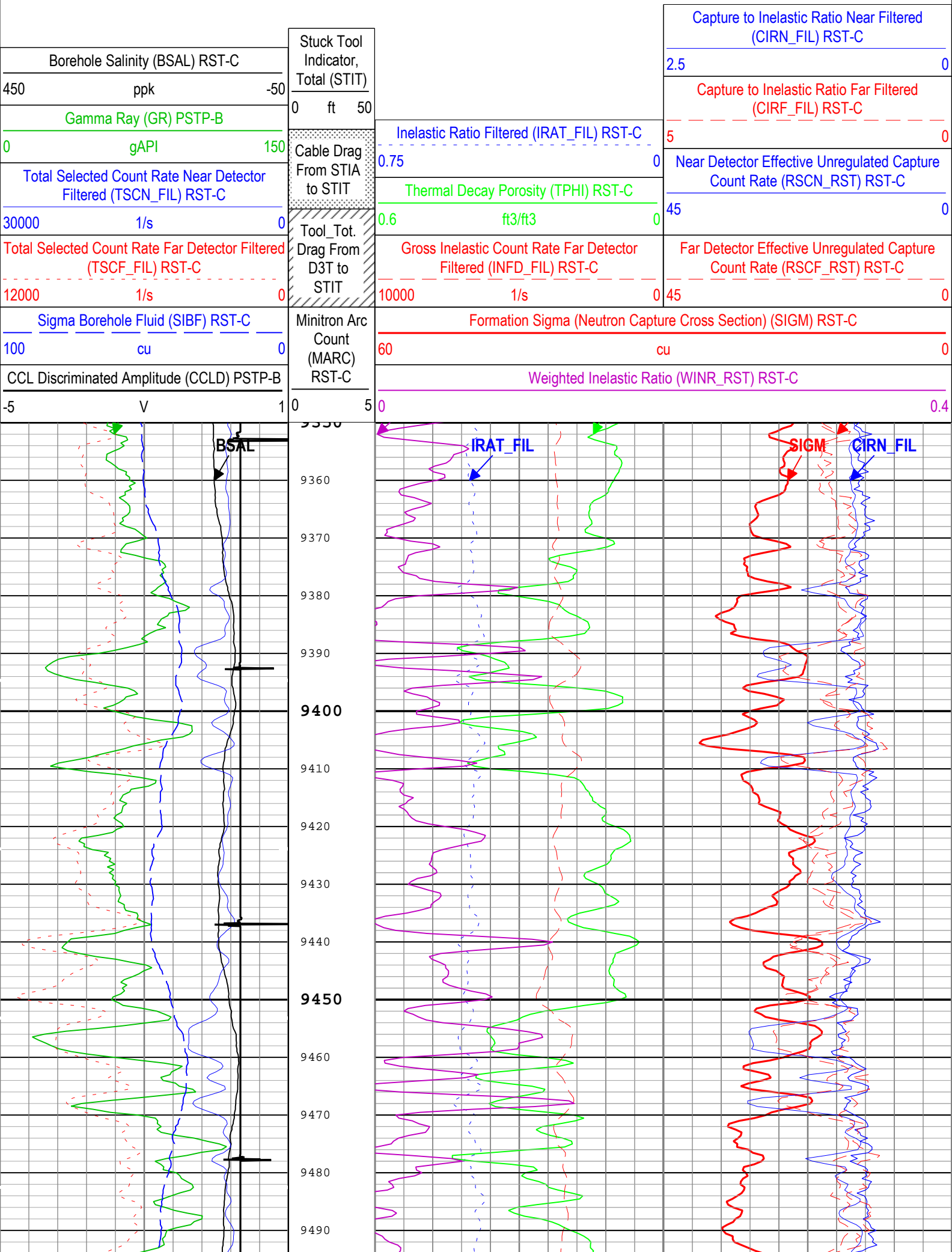
—IHV - Integrated Hole Volume every 10.00 (ft3)

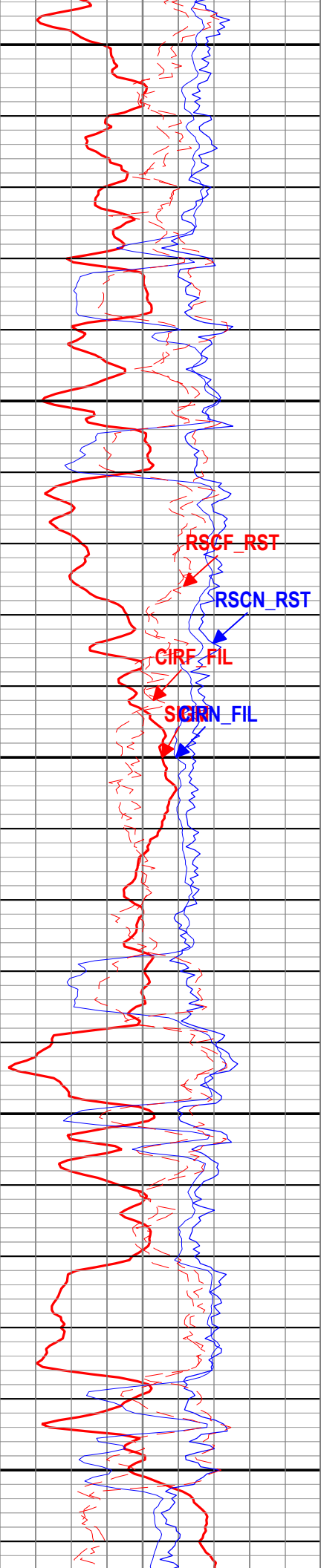
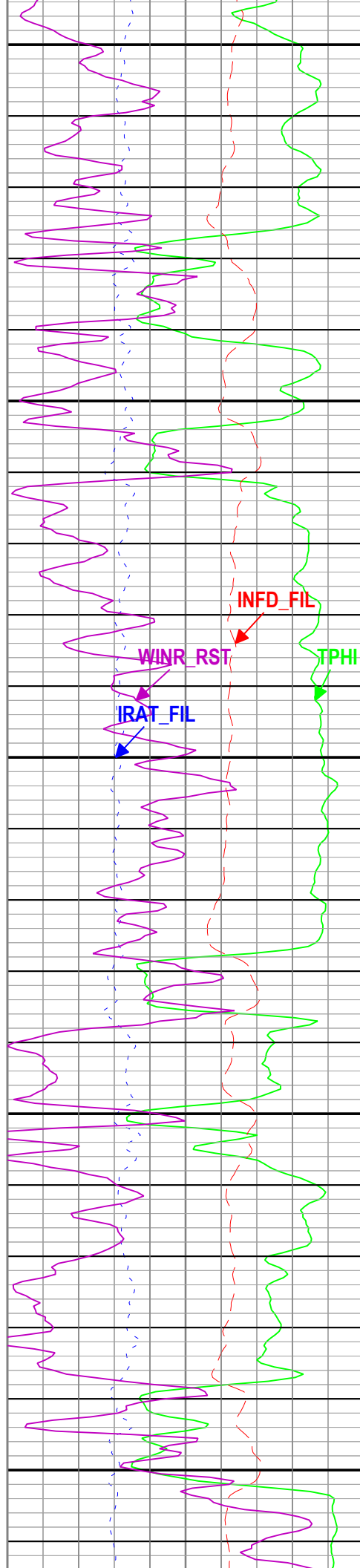
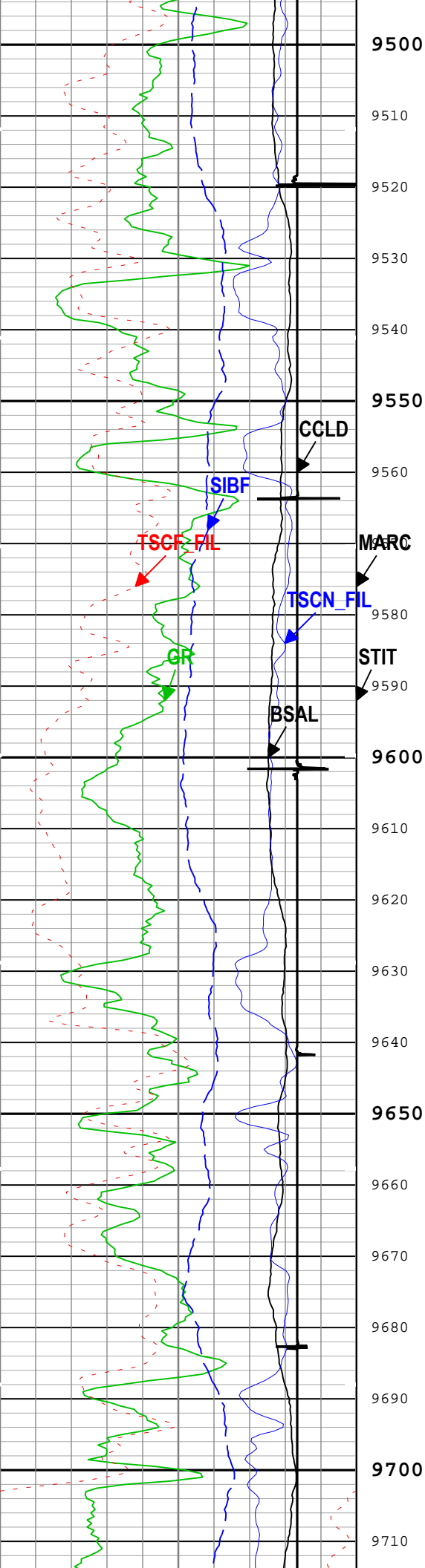
—| IHV - Integrated Hole Volume every 100.00 (ft3)

└ ICV - Integrated Cement Volume every 10.00 (ft3)



ICV - Integrated Cement Volume every 100.00 (ft3)







|   |      |     |                                    |   |   |     |
|---|------|-----|------------------------------------|---|---|-----|
| Borehole Salinity (BSAL) RST-C                                    |      |     | Stuck Tool Indicator, Total (STIT) | Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C      |   |     |
| 450   | ppk  | -50 |                                    | 60  | cu  | 0   |
| Gamma Ray (GR) PSTP-B   |      |     | 0 ft 50                            | Weighted Inelastic Ratio (WINR_RST) RST-C                         |   |     |
| 0   | gAPI | 150 |                                    | 0   |   | 0.4 |
| Total Selected Count Rate Near Detector Filtered (TSCN_FIL) RST-C |      |     | Cable Drag From STIA to STIT       | Inelastic Ratio Filtered (IRAT_FIL) RST-C                         | Capture to Inelastic Ratio Near Filtered (CIRN_FIL) RST-C               |     |
| 30000   | 1/s  | 0   |                                    | 0.75 0  | 2.5   | 0   |
| Total Selected Count Rate Far Detector Filtered (TSCF_FIL) RST-C  |      |     | Tool_Tot. Drag From D3T to STIT    | Thermal Decay Porosity (TPHI) RST-C                               | Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C                |     |
| 12000   | 1/s  | 0   |                                    | 0.6 ft3/ft3 0   |   |     |
| Sigma Borehole Fluid (SIBF) RST-C                                 |      |     | Minitron Arc Count (MARC) RST-C    | Gross Inelastic Count Rate Far Detector Filtered (INFD_FIL) RST-C | Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C |     |
| 100   | cu   | 0   |                                    | 10000 1/s 0   | 45  | 0   |
| CCL Discriminated Amplitude (CCLD) PSTP-B                         |      |     | 0 5                                |   | Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C  |     |
| -5  | V    | 1   |                                    |   | 45  | 0   |

- ICV - Integrated Cement Volume every 100.00 (ft3)
  - ICV - Integrated Cement Volume every 10.00 (ft3)
  - IHV - Integrated Hole Volume every 100.00 (ft3)
  - IHV - Integrated Hole Volume every 10.00 (ft3)
  - TIME\_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)
- TIME\_1900 - Time Marked every 60.00 (s)

Description: RST SIGMA Answer    Format: Log ( RST SIGMA Answer )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 18-Sep-2018 07:16:59

## Channel Processing Parameters

### One: Parameters

| Parameter | Description                          | Tool      | Value   | Unit |
|-----------|--------------------------------------|-----------|---------|------|
| BHS       | Borehole Status (Open or Cased Hole) | Borehole  | Cased   |      |
| BS        | Bit Size                             | WLSESSION | 8.75    | in   |
| BSAL      | Borehole Salinity                    | Borehole  | 0       | ppm  |
| BSALOPT   | Borehole Salinity Option             | RST-C     | Unknown |      |

|              |  |                 |           |    |
|--------------|--|-----------------|-----------|----|
|              |  |                 |           |    |
| DC_MODE      | Depth Correction Mode                        | DepthCorrection | Real-time |    |
| DFT_CATEGORY | Drilling Fluid Type                          | Borehole        | Water     |    |
| MATR         | Rock Matrix for Neutron Porosity Corrections | Borehole        | SANDSTONE |    |
| TD           | Total Measured Depth                         | Borehole        | 9799      | ft |

Tool Control Parameters

One: Parameters

| Parameter     | Description                      | Tool      | Value      | Unit |
|---------------|----------------------------------|-----------|------------|------|
| MAX_LOG_SPEED | Toolstring Maximum Logging Speed | WLSESSION | 150        | ft/h |
| PCCG          | PSP Downhole CCL Gain            | PSTP-B    | Time Zoned |      |
| RST_DLM       | Depth Log Mode                   | RST-C     | Sigma      |      |

Time Zone Parameters

| Parameter                   | Value | Start Time           | Stop Time            | Start Depth ( ft ) | Stop Depth ( ft ) |
|-----------------------------|-------|----------------------|----------------------|--------------------|-------------------|
| PCCG                        | 0 dB  | 16-Sep-2018 01:28:19 | 16-Sep-2018 01:33:02 | 9791.53            | 9656.5            |
| PCCG                        | 12 dB | 16-Sep-2018 01:33:02 | 16-Sep-2018 01:42:48 | 9656.5             | 9371.05           |
| All depth are at tool zero. |       |                      |                      |                    |                   |



|                           |                      |              |
|---------------------------|----------------------|--------------|
| Company:                  | Caerus Operating LLC | Schlumberger |
| Well:                     | NPR 23D-10 596       |              |
| Field:                    | NPR                  |              |
| County:                   | Garfield             |              |
| State:                    | Colorado             |              |
| Cement Bond Log           |                      |              |
| RST Sigma Log             |                      |              |
| Gamma Ray -Collar Locator |                      |              |