

Company: Chevron North America

Well: Beezley 5X22

Field: Rangely

County: Rio Blanco

State: Colorado

County: Rio Blanco  
Field: Rangely  
Location: 2117' FNL & 1622 FEL, SWNE S22  
Well: Beezley 5X22  
Company: Chevron North America

CEMENT EVALUATION LOG  
GAMMA RAY  
CASING COLLAR LOCATOR

|  |               |  |
|--|---------------|--|
| 2117' FNL & 1622 FEL, SWNE S22 T2N R103W |               | Elev.: K.B. 5618.00 ft<br>G.L. 5594.00 ft<br>D.F. 5617.00 ft |
| Permanent Datum:                         | GROUND LEVEL  | Elev.: 5594.00 ft  |
| Log Measured From:                       | KELLY BUSHING | 24.00 ft above Perm. Datum                                   |
| Drilling Measured From:                  | KELLY BUSHING |  |

|                             |            |             |            |
|-----------------------------|------------|-------------|------------|
| API Serial No. 05-103-11742 | Section 22 | Township 2N | Range 103W |
|-----------------------------|------------|-------------|------------|

|              |             |
|--------------|-------------|
| Logging Date | 12-Nov-2010 |
|--------------|-------------|

|                               |              |
|-------------------------------|--------------|
| Run Number                    | 1            |
| Depth Driller                 | 6923 ft      |
| Schlumberger Depth            | 6610 ft      |
| Bottom Log Interval           | 6610 ft      |
| Top Log Interval              | 0 ft         |
| Casing Fluid Type             | BRINE        |
| Salinity                      |              |
| Density                       | 8.4 lbm/gal  |
| Fluid Level                   | 260 ft       |
| BIT/CASING/TUBING STRING      |              |
| Bit Size                      | 6.125 in     |
| From                          | 24 ft        |
| To                            | 6923 ft      |
| Casing/Tubing Size            | 7.000 in     |
| Weight                        | 23 lbm/ft    |
| Grade                         |              |
| From                          | 24 ft        |
| To                            | 6610 ft      |
| Maximum Recorded Temperatures | 158 degF     |
| Logger On Bottom              | 12-Nov-2010  |
| Unit Number                   | 2276         |
| Recorded By                   | YATING WANG  |
| Witnessed By                  | LARRY WALKER |

FIELD PRINT

|                          |  |            |       |     |
|--------------------------|--|------------|-------|-----|
| PVT DATA                 |  | Run 1      | Run 2 | Run |
| Oil Density              |  |            |       |     |
| Water Salinity           |  |            |       |     |
| Gas Gravity              |  |            |       |     |
| Bo                       |  |            |       |     |
| Bw                       |  |            |       |     |
| 1/Bg                     |  |            |       |     |
| Bubble Point Pressure    |  |            |       |     |
| Bubble Point Temperature |  |            |       |     |
| Solution GOR             |  |            |       |     |
| Maximum Deviation        |  |            |       |     |
| CEMENTING DATA           |  |            |       |     |
| Primary/Squeeze          |  | Primary    |       |     |
| Casing String No         |  |            |       |     |
| Lead Cement Type         |  |            |       |     |
| Volume                   |  |            |       |     |
| Density                  |  | 11 lbm/gal |       |     |
| Water Loss               |  |            |       |     |
| Additives                |  |            |       |     |
| Tail Cement Type         |  |            |       |     |
| Volume                   |  |            |       |     |
| Density                  |  | 12 lbm/gal |       |     |
| Water Loss               |  |            |       |     |
| Additives                |  |            |       |     |
| Expected Cement Top      |  |            |       |     |

|              |  |
|--------------|--|
| Logging Date |  |
|--------------|--|

|            |  |
|------------|--|
| Run Number |  |
|------------|--|

|               |  |
|---------------|--|
| Depth Driller |  |
|---------------|--|

|                    |  |
|--------------------|--|
| Schlumberger Depth |  |
|--------------------|--|

|                     |  |
|---------------------|--|
| Bottom Log Interval |  |
|---------------------|--|

|                  |  |
|------------------|--|
| Top Log Interval |  |
|------------------|--|

|                   |  |
|-------------------|--|
| Casing Fluid Type |  |
|-------------------|--|

|          |  |
|----------|--|
| Salinity |  |
|----------|--|

|         |  |
|---------|--|
| Density |  |
|---------|--|

|             |  |
|-------------|--|
| Fluid Level |  |
|-------------|--|

|                          |  |
|--------------------------|--|
| BIT/CASING/TUBING STRING |  |
|--------------------------|--|

|          |  |
|----------|--|
| Bit Size |  |
|----------|--|

|      |  |
|------|--|
| From |  |
|------|--|

|    |  |
|----|--|
| To |  |
|----|--|

|                    |  |
|--------------------|--|
| Casing/Tubing Size |  |
|--------------------|--|

|        |  |
|--------|--|
| Weight |  |
|--------|--|

|       |  |
|-------|--|
| Grade |  |
|-------|--|

|      |  |
|------|--|
| From |  |
|------|--|

|    |  |
|----|--|
| To |  |
|----|--|

|                               |  |
|-------------------------------|--|
| Maximum Recorded Temperatures |  |
|-------------------------------|--|

|                  |  |
|------------------|--|
| Logger On Bottom |  |
|------------------|--|

|             |  |
|-------------|--|
| Unit Number |  |
|-------------|--|

|             |  |
|-------------|--|
| Recorded By |  |
|-------------|--|

|              |  |
|--------------|--|
| Witnessed By |  |
|--------------|--|

## DEPTH SUMMARY LISTING

Date Created: 12-NOV-2010 13:29:49

## Depth System Equipment

| Depth Measuring Device    |             | Tension Device                |             | Logging Cable                                 |          |
|---------------------------|-------------|-------------------------------|-------------|---|----------|
| Type:                     | IDW-B       | Type:                         | CMTD-B/A    | Type:   | 7-46A XS |
| Serial Number:            | 6378        | Serial Number:                | 2527        | Serial Number:                                | 7232     |
| Calibration Date:         | 18-Oct-2010 | Calibration Date:             | 18-Oct-2010 | Length:                                       | 22608 FT |
| Calibrator Serial Number: | 33          | Calibrator Serial Number:     | 100518      | Conveyance Method: Wireline<br>Rig Type: LAND |          |
| Calibration Cable Type:   | 7-46P XS    | Number of Calibration Points: | 10          |   |          |
| Wheel Correction 1:       | -9          | Calibration RMS:              | 17          |   |          |
| Wheel Correction 2:       | -8          | Calibration Peak Error:       | 29          |   |          |

## Depth Control Parameters

|                             |                       |
|-----------------------------|-----------------------|
| Log Sequence:               | First Log In the Well |
| Rig Up Length At Surface:   | 221.90 FT             |
| Rig Up Length At Bottom:    | 221.30 FT             |
| Rig Up Length Correction:   | 0.60 FT               |
| <b>Stretch Correction:</b>  | <b>4.00 FT</b>        |
| Tool Zero Check At Surface: | 1.30 FT               |

### Depth Control Remarks

1. All Schlumberger depth control procedures followed.
2. IDW used as primary depth reference, Z-chart used as secondary depth reference.
3. Log up correlated to log down from casing shoe up to 4000ft
- 4.
- 5.
- 6.

## DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

|  |                       |
|--|-----------------------|
| OTHER SERVICES1  | OTHER SERVICES2       |
| OS1:     None  | OS1:                  |
| OS2:   | OS2:                  |
| OS3:   | OS3:                  |
| OS4:   | OS4:                  |
| OS5:   | OS5:                  |
| REMARKS: RUN NUMBER 1  | REMARKS: RUN NUMBER 2 |
| Tool string ran centered using 2x Inline centralizers as per tool sketch.  |                       |
| BILI set as 0.8 as per client request.                                     |                       |
| Logging interval from 6610' up (CSG shoe) as per client request.           |                       |
| Repeatability of CBL is 2%, repeat pass within tolerance.                  |                       |
| Repeatability of GR is 10% @ 3600 ft/hr, repeat analysis within tolerance. |                       |
| Estimated TT in free pipe is 278 us, estimated CBL in free pipe is 61mV    |                       |
| Top of fluid=260ft. so data above 260ft is invalid                         |                       |



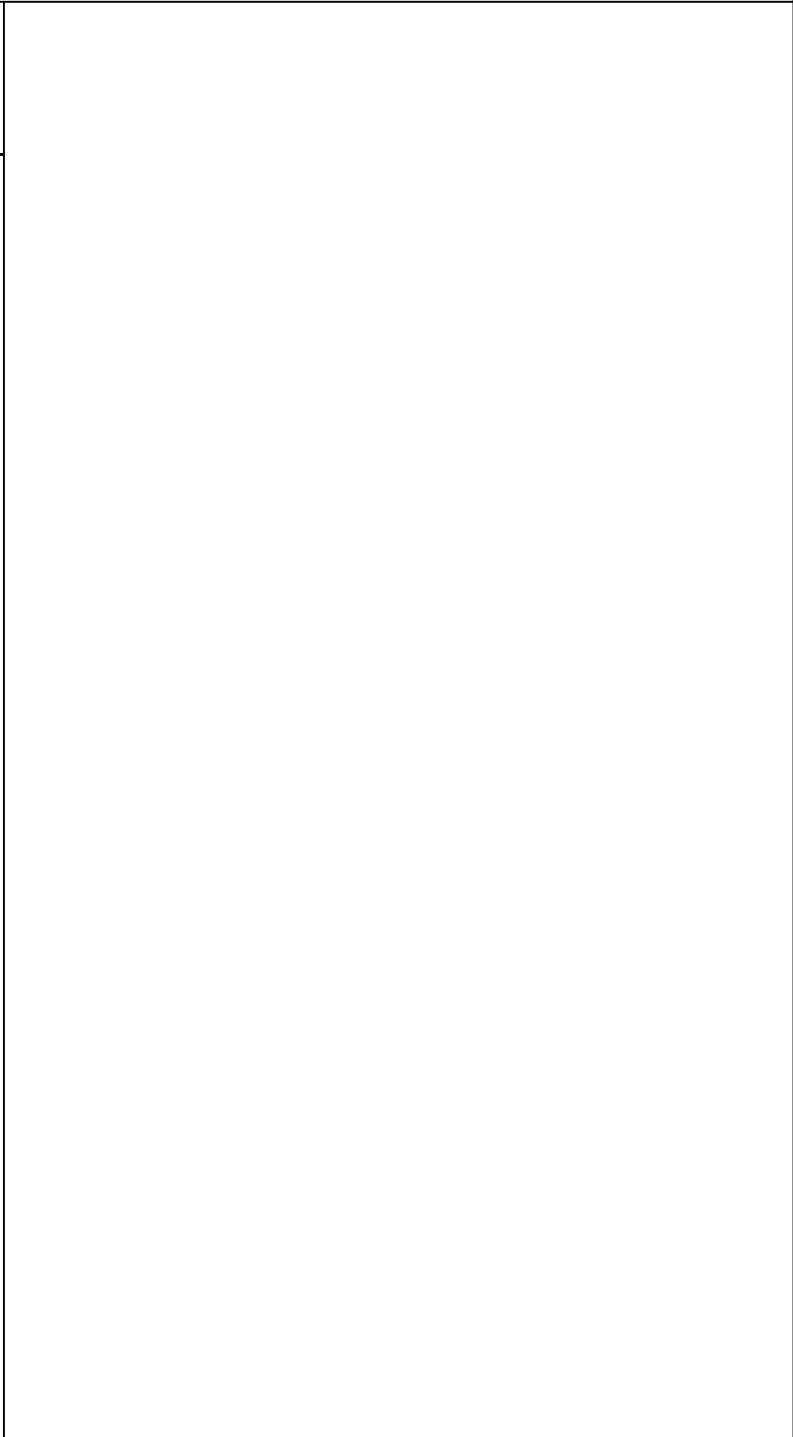
|   |  |  |  |
|---|--|--|--|
| CBAF=Expected Free Pipe Amplitude/Measured Free Pipe Amplitude=0.7625 |  |  |  |
| TD not tagged   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |

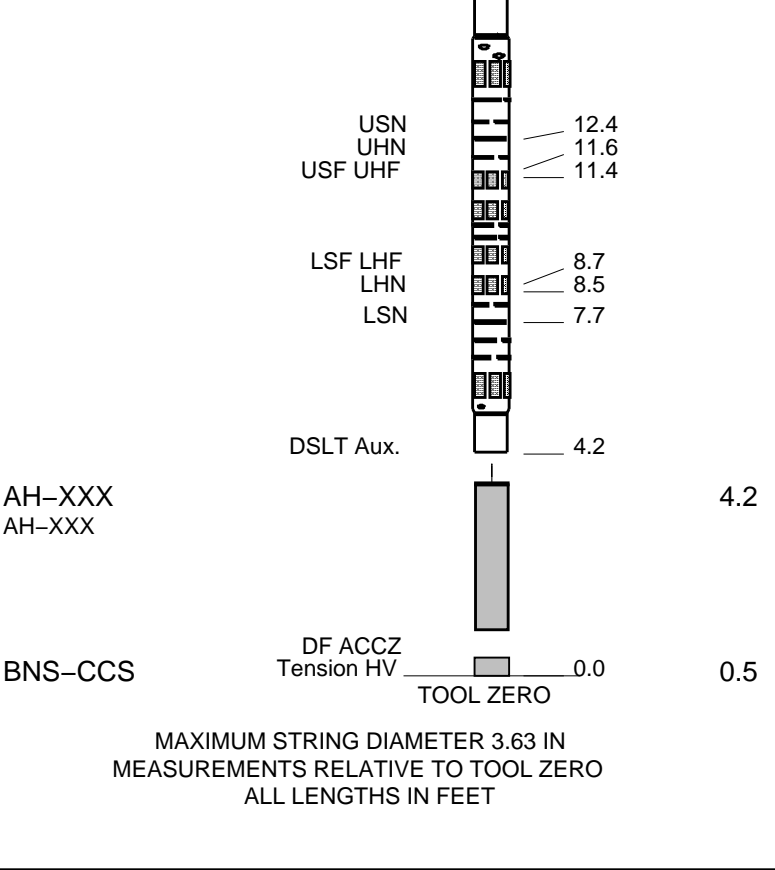
| RUN 1            |       |            | RUN 2            |       |      |
|------------------|-------|------------|------------------|-------|------|
| SERVICE ORDER #: |       | BAK1-00034 | SERVICE ORDER #: |       |      |
| PROGRAM VERSION: |       | 17C0-154   | PROGRAM VERSION: |       |      |
| FLUID LEVEL:     |       | 260 ft     | FLUID LEVEL:     |       |      |
| LOGGED INTERVAL  | START | STOP       | LOGGED INTERVAL  | START | STOP |
|                  |       |            |                  |       |      |
|                  |       |            |                  |       |      |
|                  |       |            |                  |       |      |
|                  |       |            |                  |       |      |

| EQUIPMENT DESCRIPTION |  |  |       |  |  |
|-----------------------|--|--|-------|--|--|
| RUN 1                 |  |  | RUN 2 |  |  |

| SURFACE EQUIPMENT |  |
|-------------------|--|
| WITM (EDTS)-A     |  |

| DOWNHOLE EQUIPMENT                                    |              |
|---|--------------|
| LEH-QT<br>LEH-QT 2276                                 | 41.6         |
| EDTC-B<br>EDTH-B 8052<br>EDTC-B 8052<br>EDTG-A/B 8052 | 38.7         |
| CTEM  | 35.2         |
| Gamma Ray<br>TelStatus<br>EDTCB Ele                   | 33.3<br>32.2 |
| CAL-Y<br>CAL-Y 611                                    | 32.2         |
| AH-XXX<br>AH-XXX                                      | 28.7         |
| DSLT-FTB<br>DSLC-B 8152<br>ECH-KH<br>SLS-W 8033       | 24.9         |



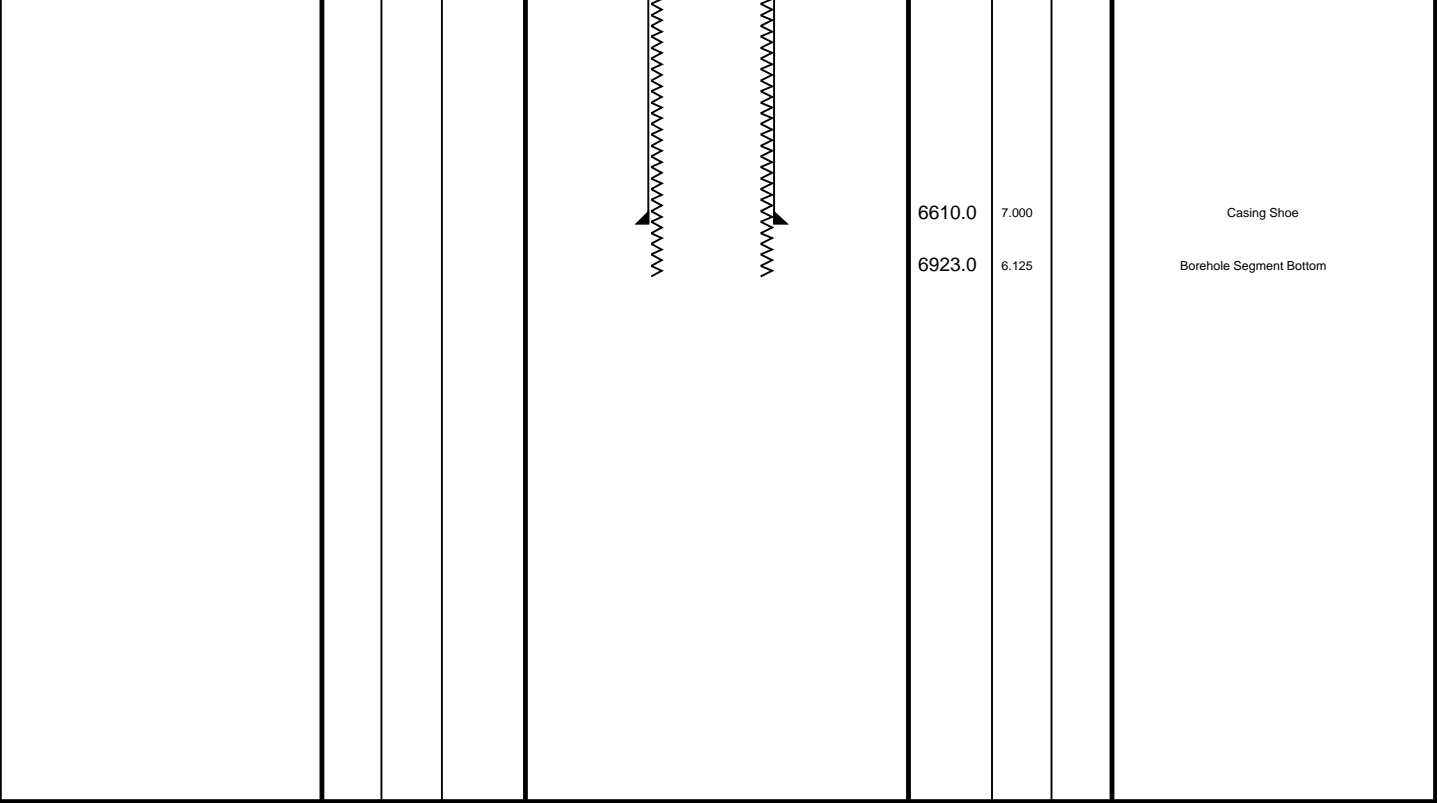


Client: Chevron North America  
Well: Beezley 5X22  
Field: Rangely  
State: Colorado  
Country: USA

Rig Name: Alliance #3  
Reference Datum: Kelly Bushing  
Elevation: 5618.0 ft

Drawing Date: 11/12/2010  
API #: 05-103-11742

| Production String | (in) |    |    | (ft) | Well Schematic | (ft)   |        |       | (in) | Casing String              |
|-------------------|------|----|----|------|----------------|--------|--------|-------|------|----------------------------|
|                   | OD   | ID | MD |      |                | MD     | OD     | ID    |      |                            |
|                   |      |    |    |      |                | 105.0  | 16.000 |       |      | Casing Shoe                |
|                   |      |    |    |      |                | 24.0   | 16.000 |       |      | Casing String, 23.0 lbm/ft |
|                   |      |    |    |      |                | 24.0   | 16.000 | 9.625 |      | Liner Hanger               |
|                   |      |    |    |      |                | 24.0   | 7.000  |       |      | Casing String, 23.0 lbm/ft |
|                   |      |    |    |      |                | 24.0   | 9.625  | 7.000 |      | Liner Hanger               |
|                   |      |    |    |      |                | 24.0   | 6.125  |       |      | Borehole Segment           |
|                   |      |    |    |      |                | 2008.0 | 9.625  |       |      | Casing Shoe                |



All depths are driller's depth



## Job Event Summary

MAXIS Field Log

### Schlumberger Job Event Summary

|                                     | Time              | Elapsed Time | Depth (FT)      | File         |
|-------------------------------------|-------------------|--------------|-----------------|--------------|
| Rig Up Started                      | 12-Nov-2010 9:30  |              |                 |              |
| Before Calibration Completed        | 12-Nov-2010 11:31 |              |                 |              |
| Log Pass (down)                     | 12-Nov-2010 11:42 | 000:34       | 157.0 - 6628.0  | SONIC_003LDP |
| Descent 1: DSLT-BB/CALY/EDTCB/LEHQT |                   |              |                 |              |
| Begin Descent                       | 12-Nov-2010 11:45 |              |                 |              |
| Log Pass (up)                       | 12-Nov-2010 12:16 | 000:09       | 6632.0 - 6128.5 | SONIC_004LUP |
| Log Pass (up)                       | 12-Nov-2010 12:28 | 001:51       | 6632.5 - 199.7  | SONIC_005LUP |
| Log Pass (up)                       | 12-Nov-2010 14:30 | 000:16       | 449.5 - 13.2    | SONIC_007LUP |
| Rig Down Completed                  | 12-Nov-2010 16:50 |              |                 |              |



MAIN PASS

MAXIS Field Log

Company: Chevron North America Well: Beezley 5X22

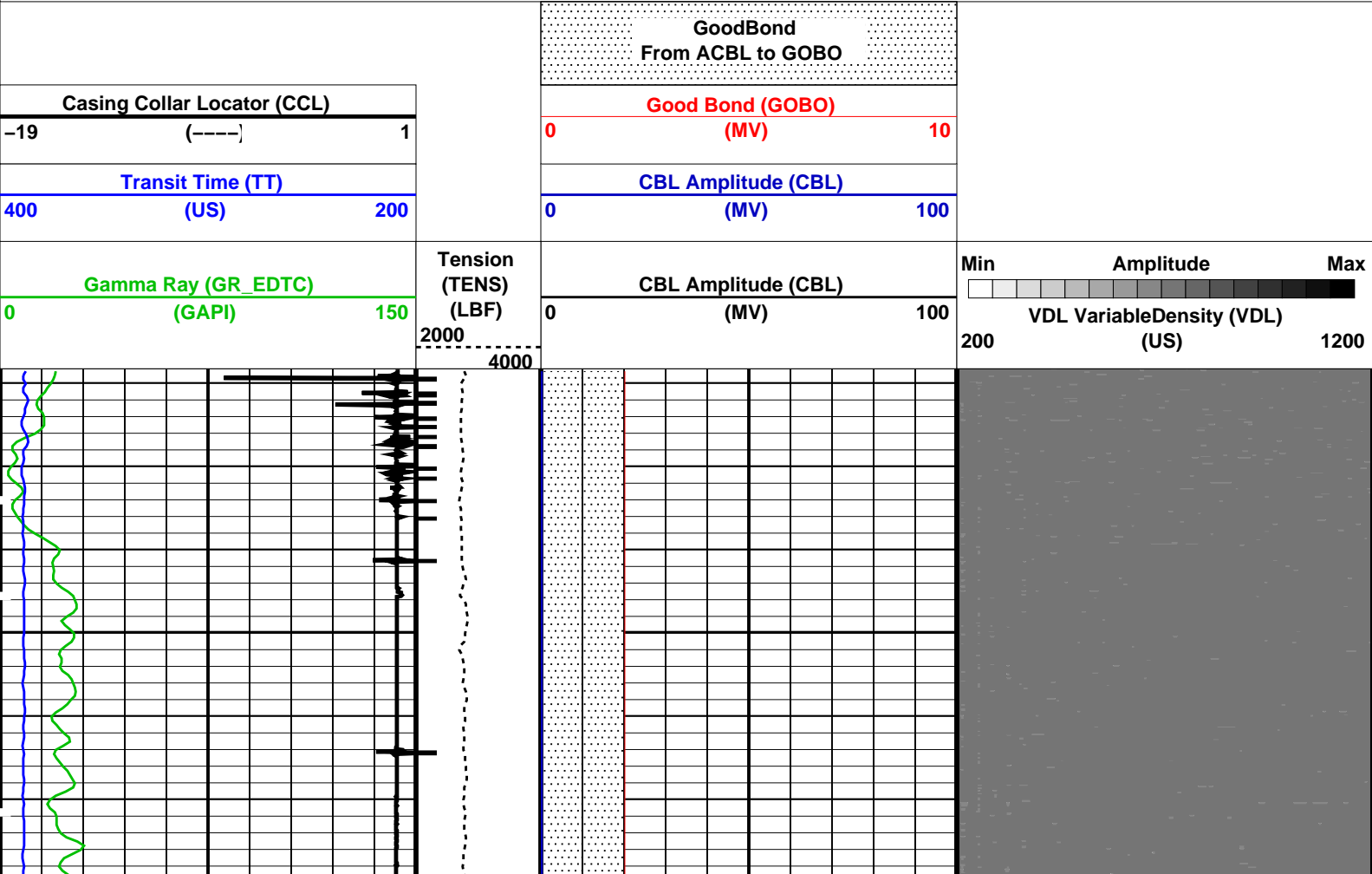
| Input DLIS Files  |                  |      |          |                   |           |         |
|-------------------|------------------|------|----------|-------------------|-----------|---------|
| DEFAULT           | SPLICE_SONIC_009 | FN:1 | PRODUCER | 12-Nov-2010 15:00 | 6632.5 FT | 13.3 FT |
| Output DLIS Files |                  |      |          |                   |           |         |
| DEFAULT           | SONIC_010PUP     | FN:7 | PRODUCER | 12-Nov-2010 15:02 | 6636.5 FT | 18.0 FT |

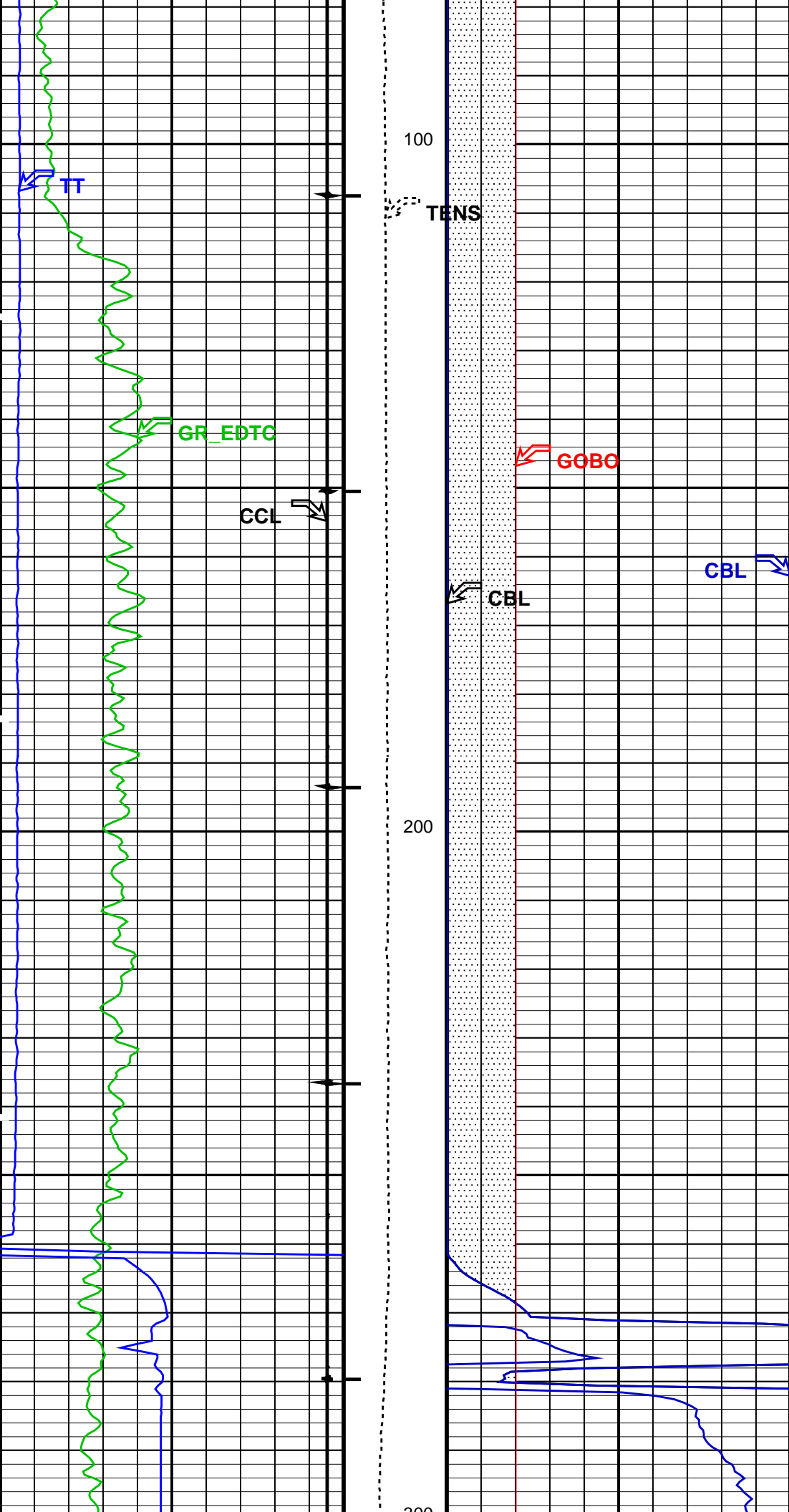
| OP System Version: 17C0-154 |                        |       |          |
|-----------------------------|------------------------|-------|----------|
| DSLT-FTB                    | 17C0-154               | CAL-Y | 17C0-154 |
| EDTC-B                      | SRPC-3971-Q1_2010_OP17 |       |          |

PIP SUMMARY

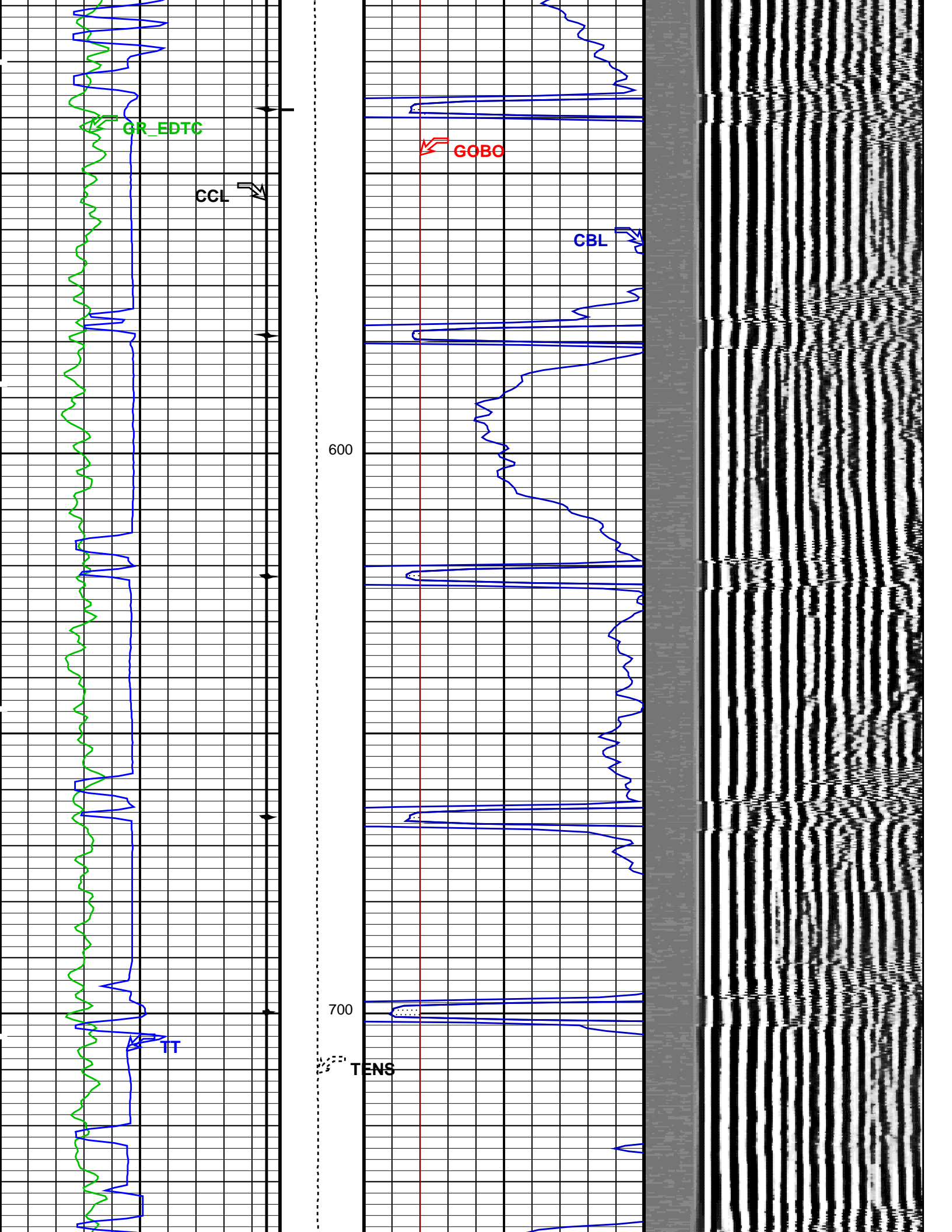
Time Mark Every 60 S

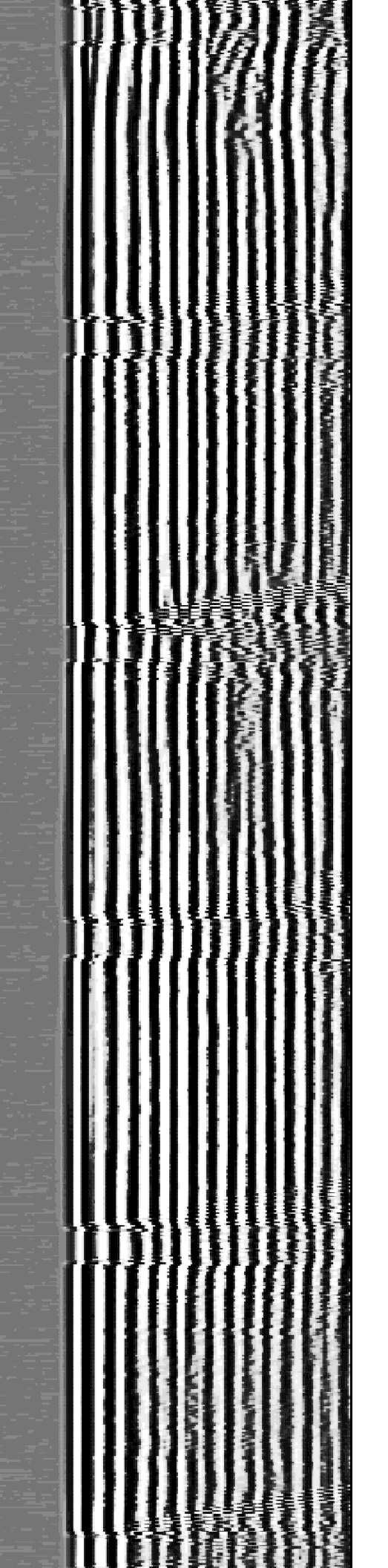
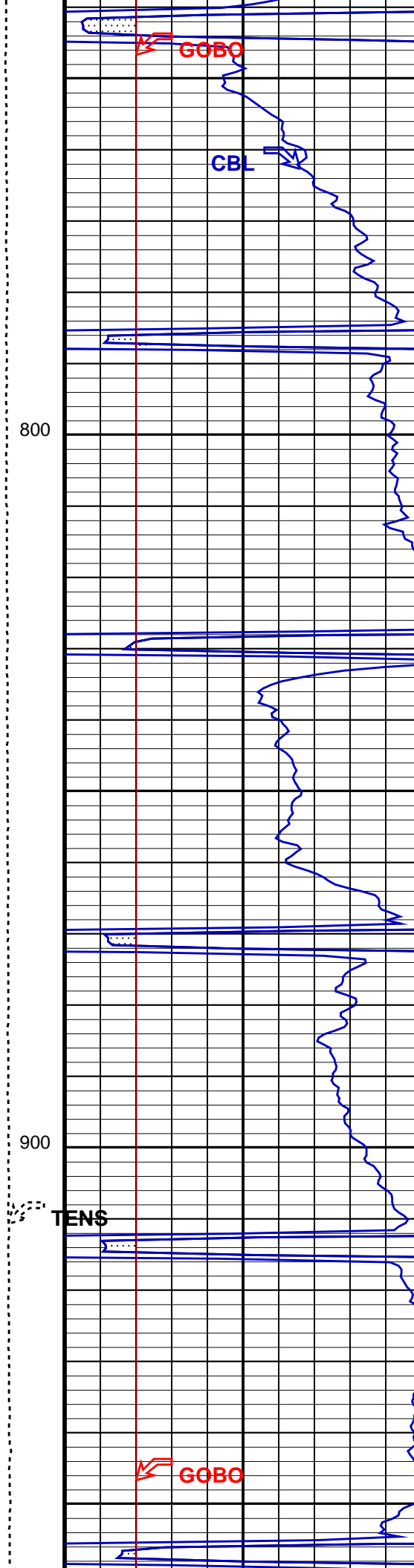
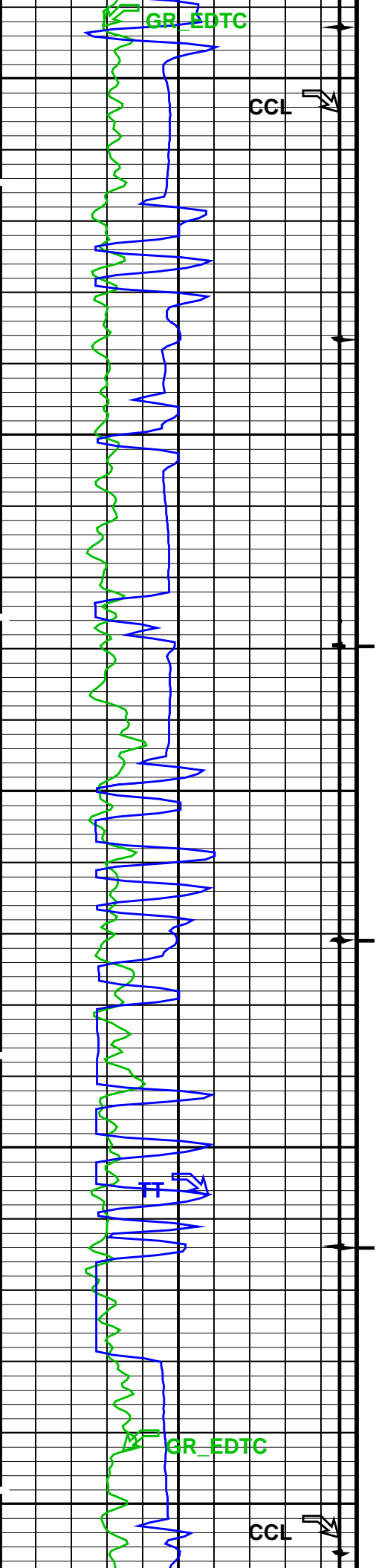
Casing Collars



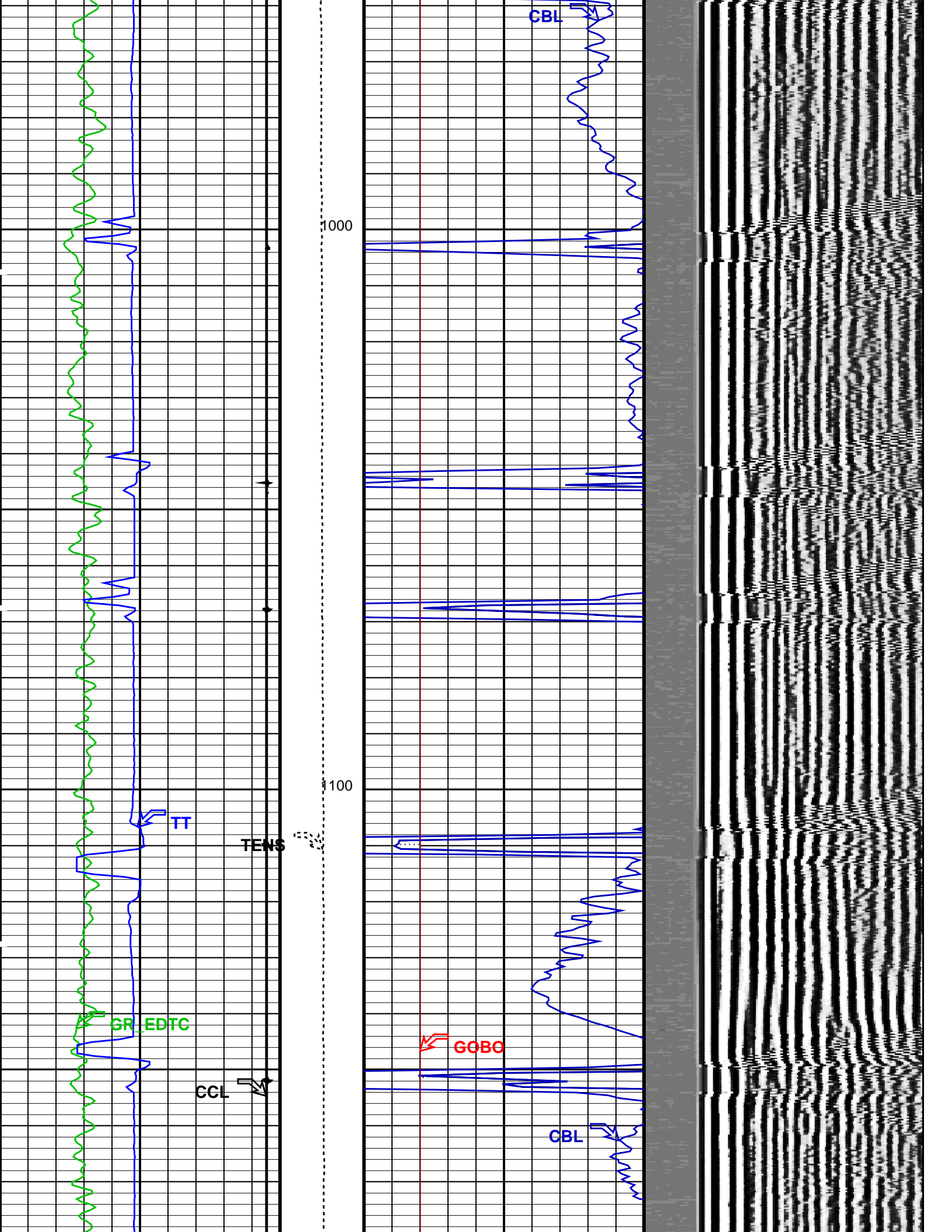


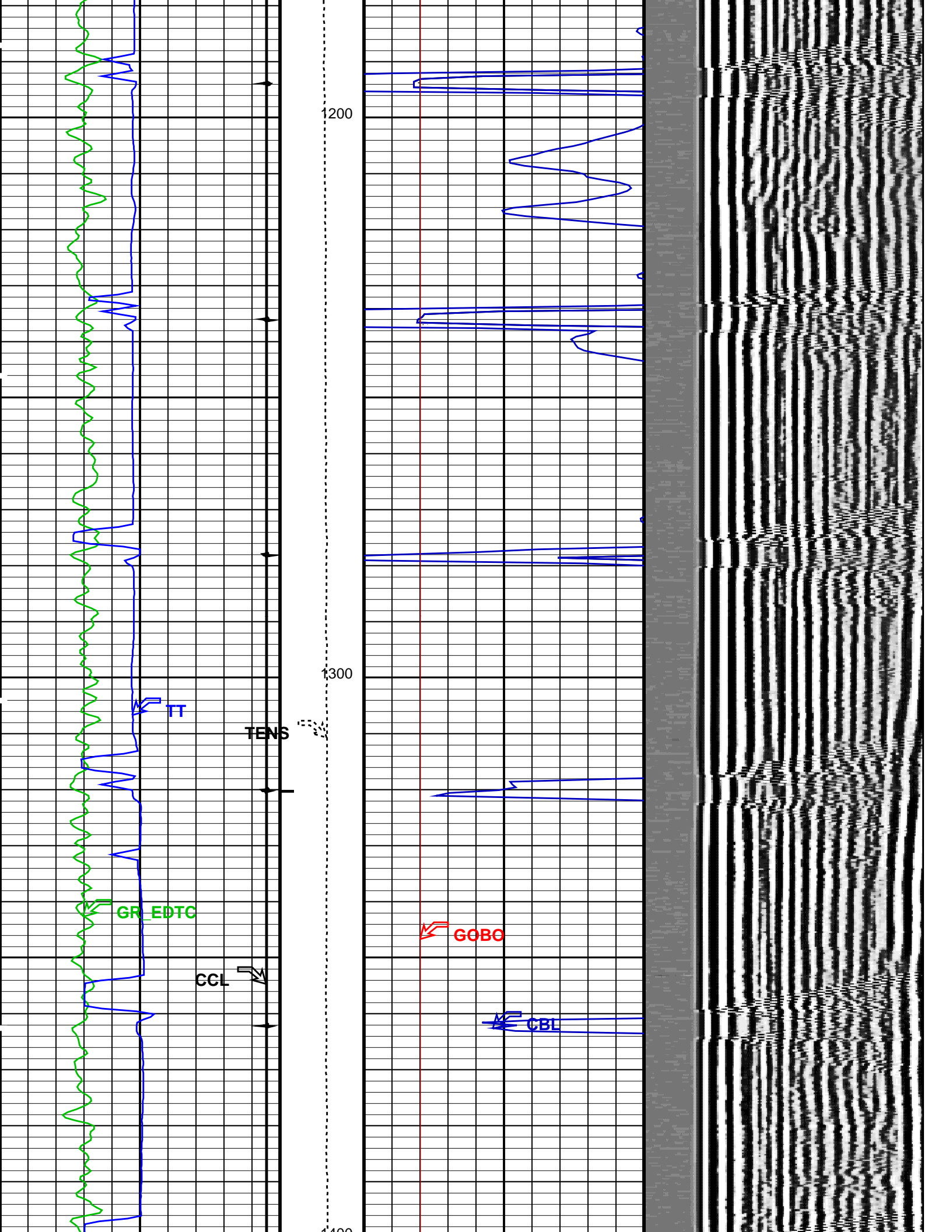


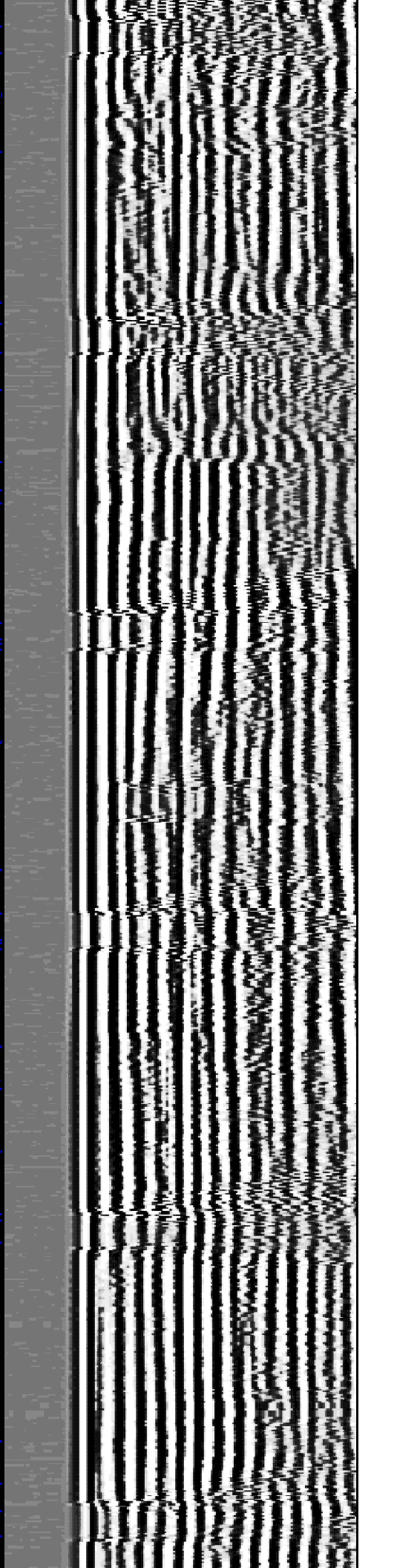
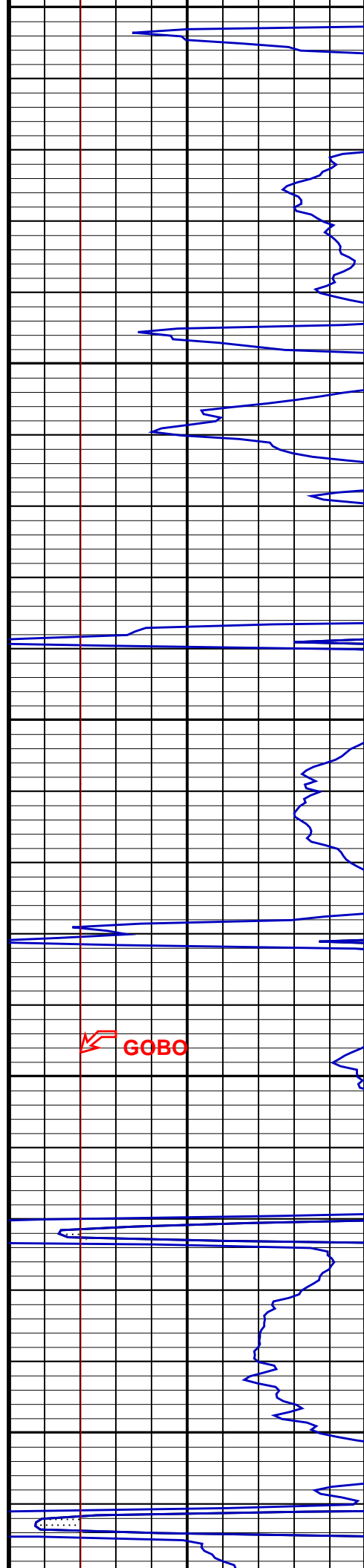
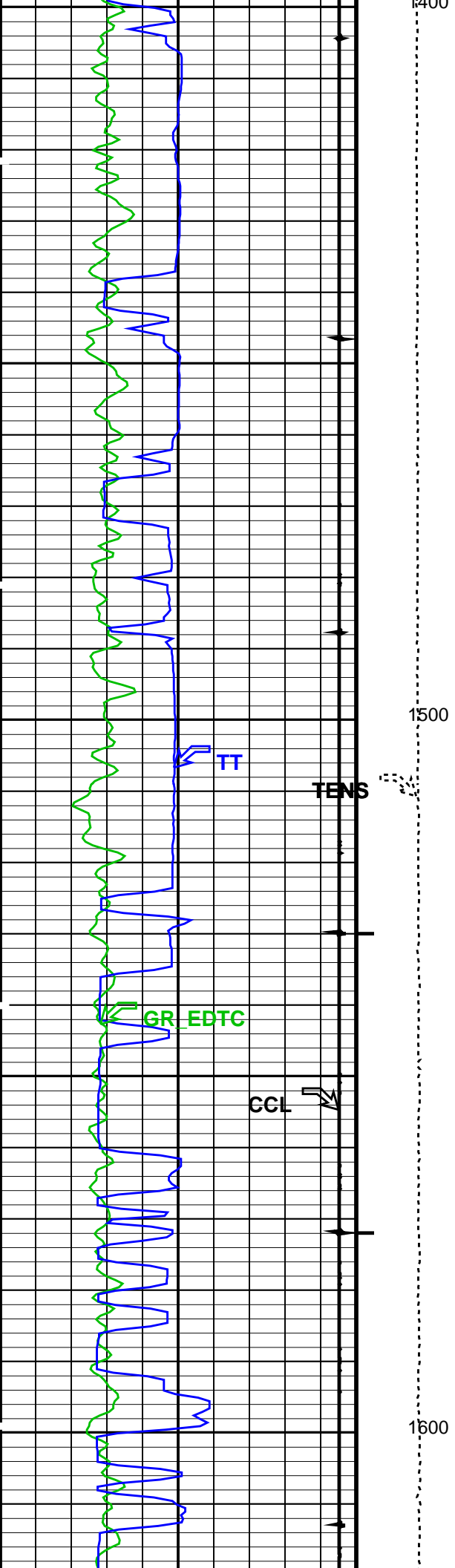




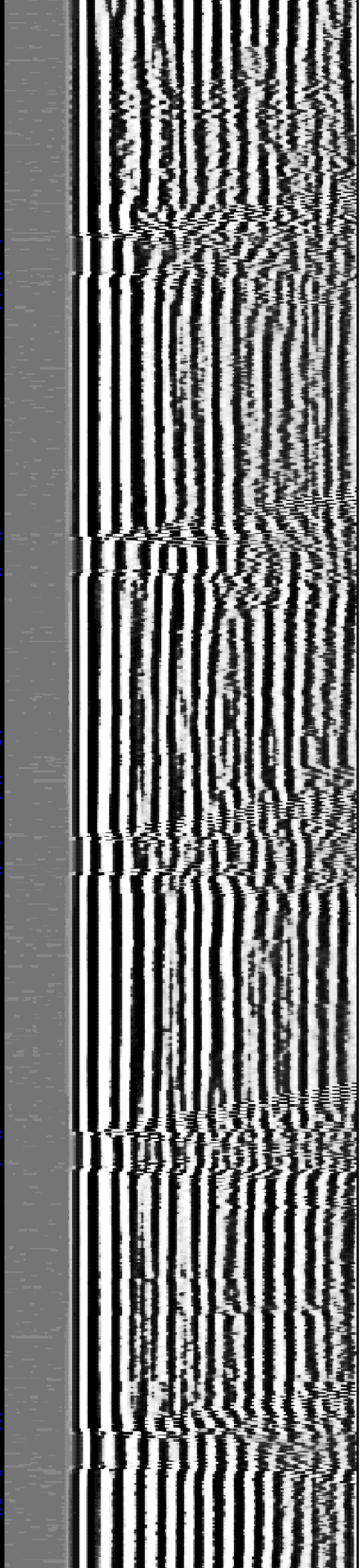
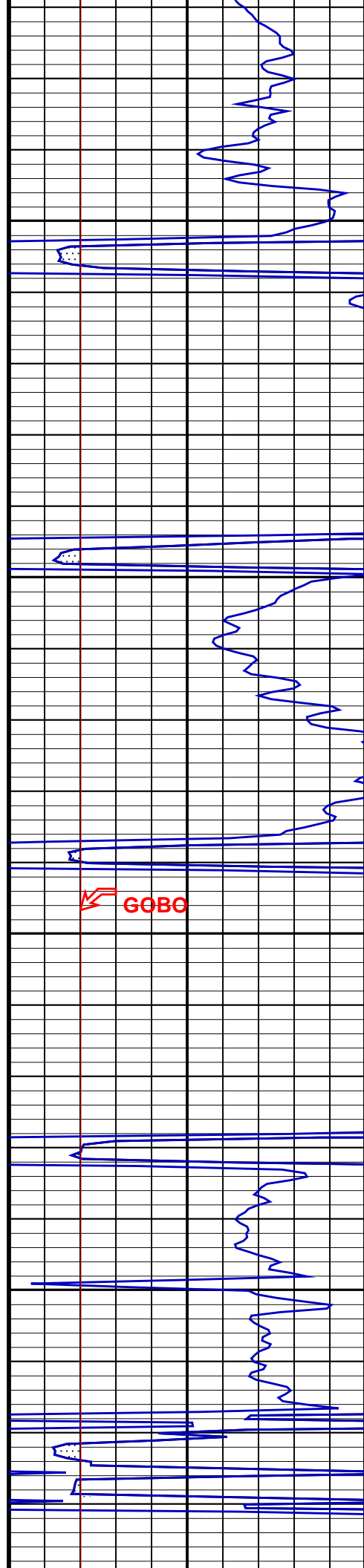
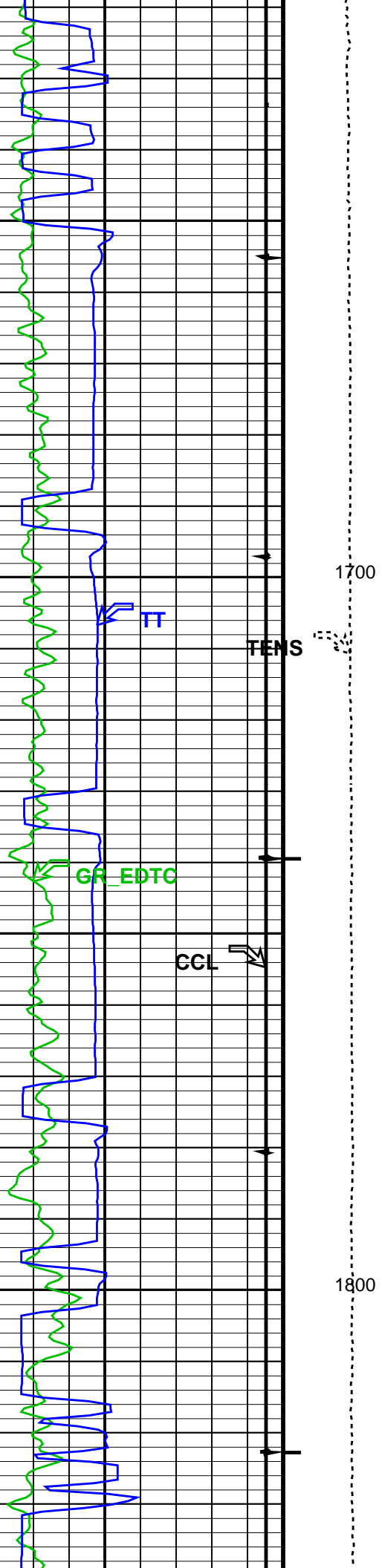


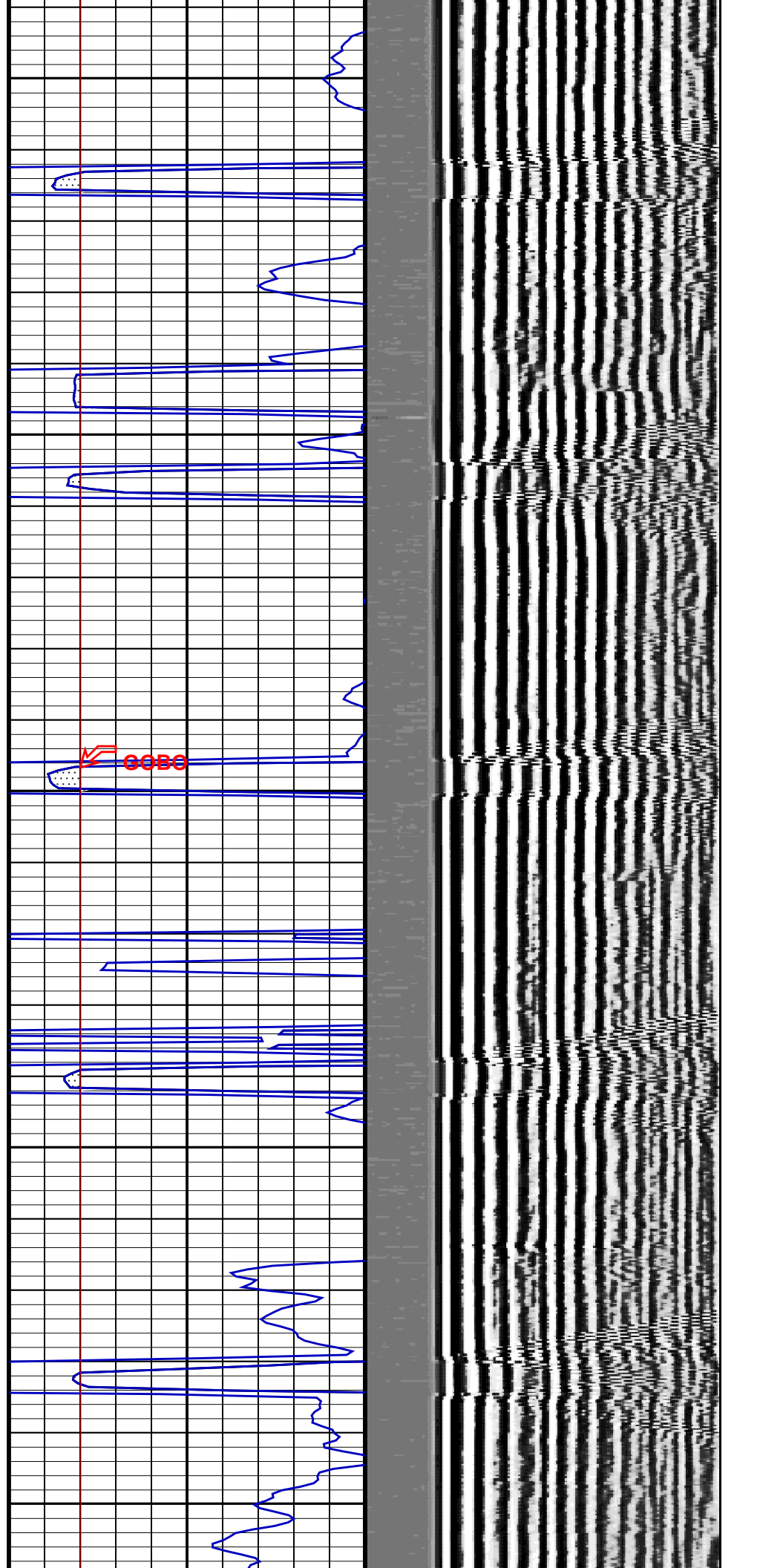
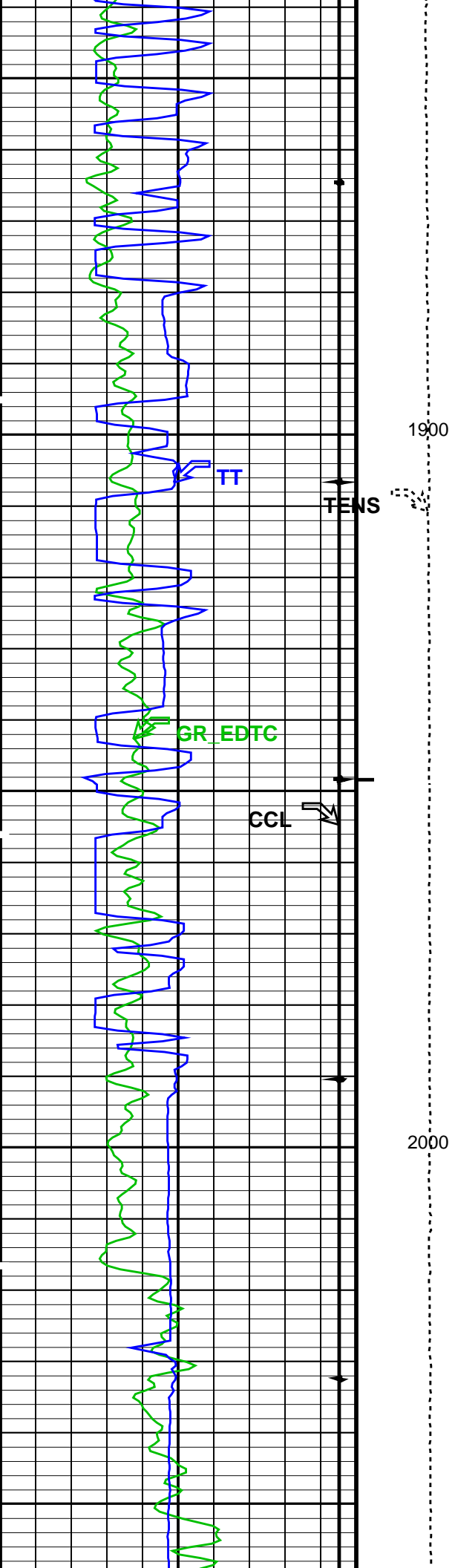


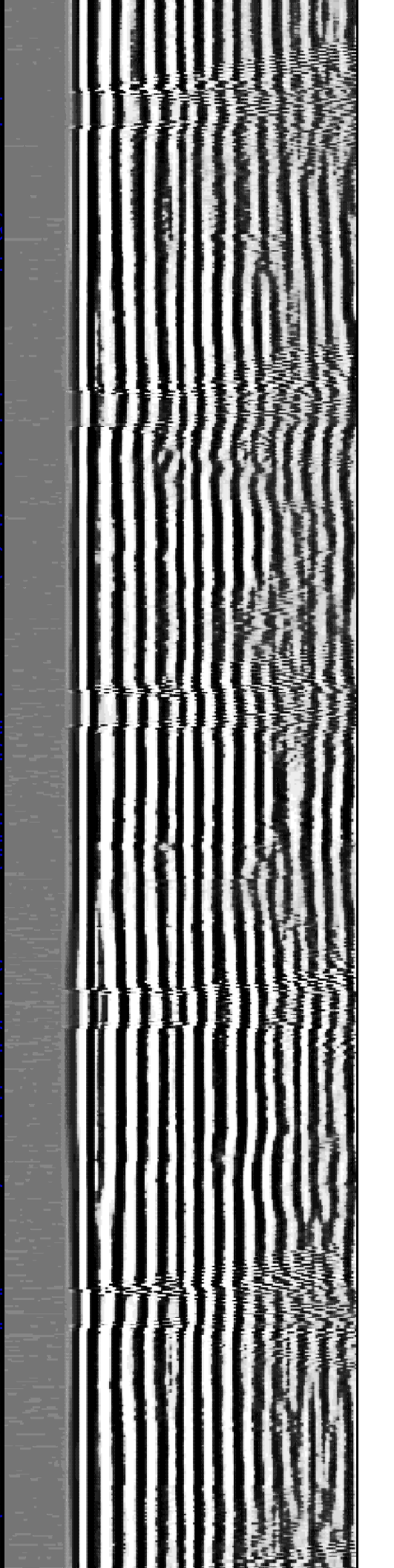
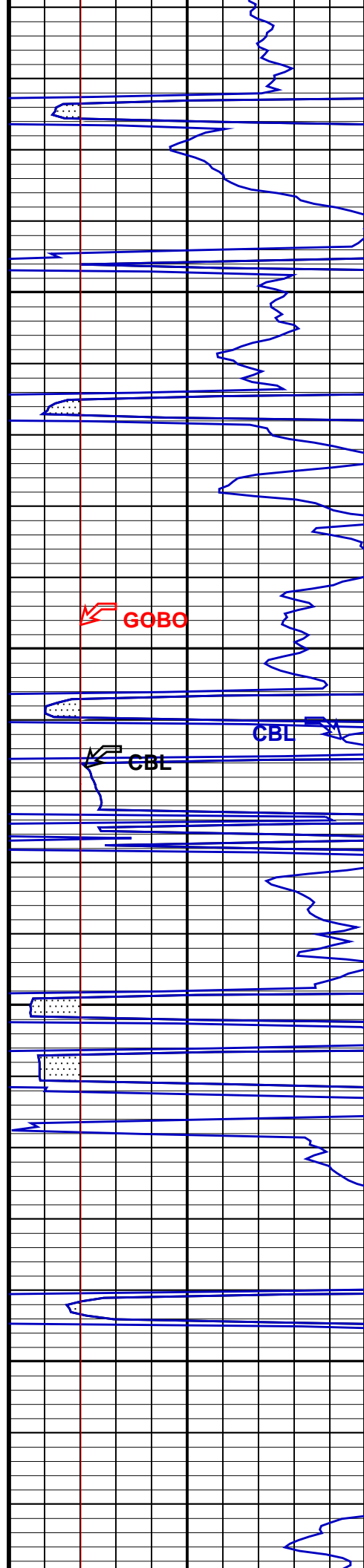
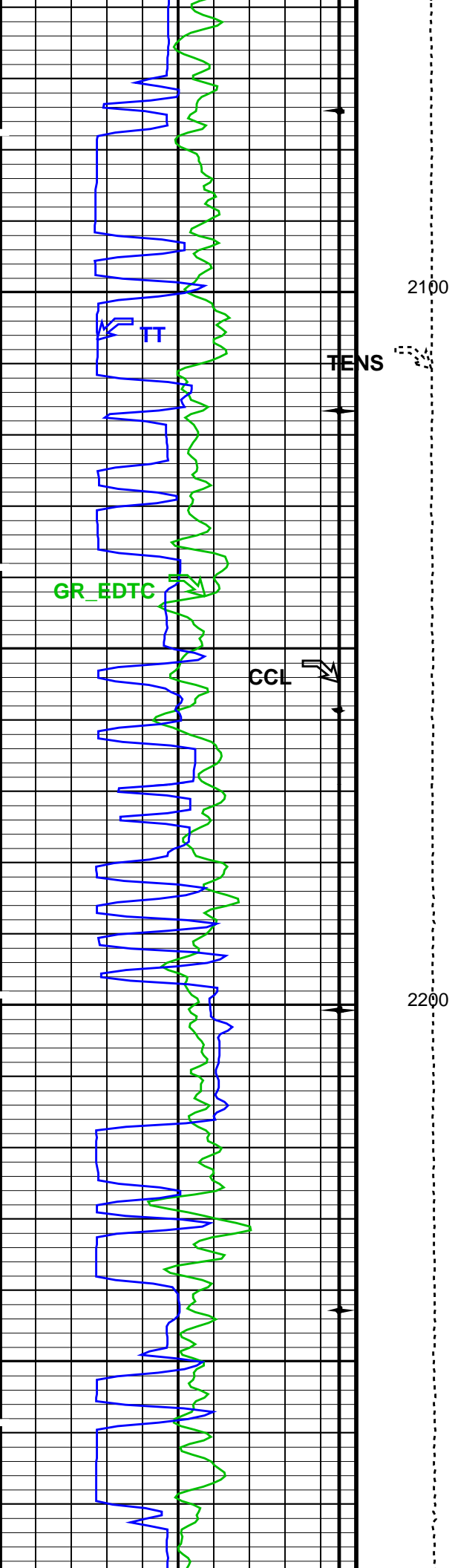




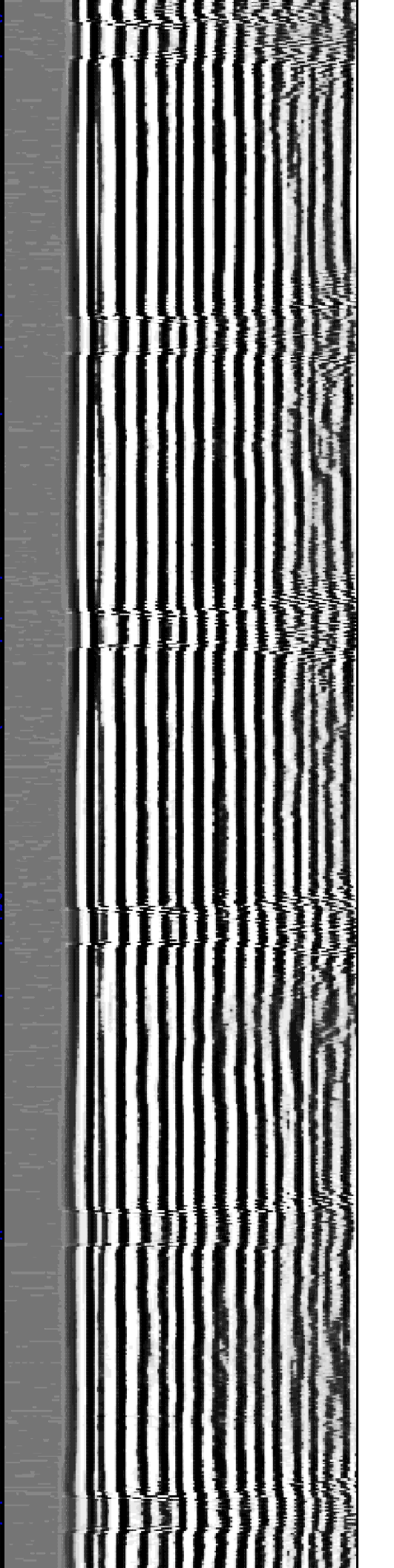
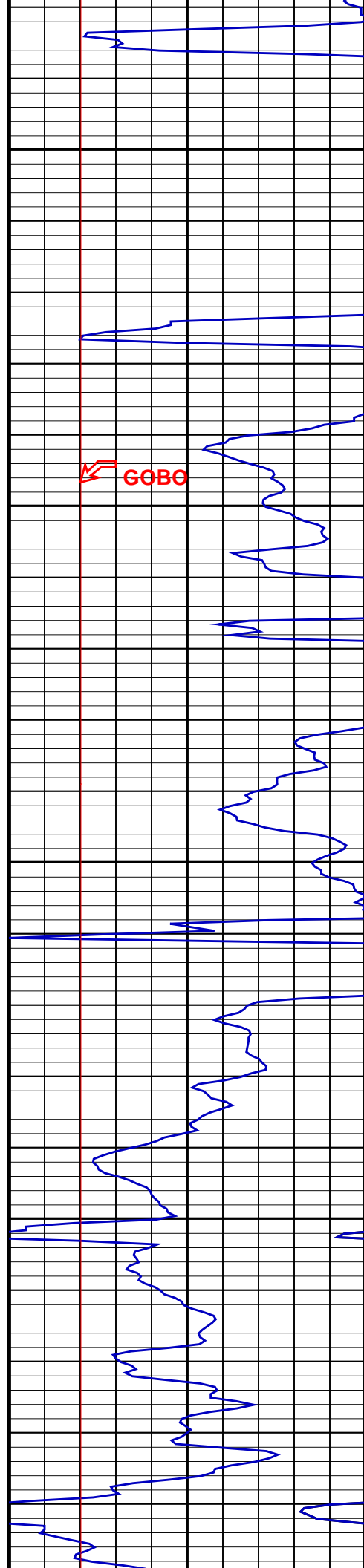
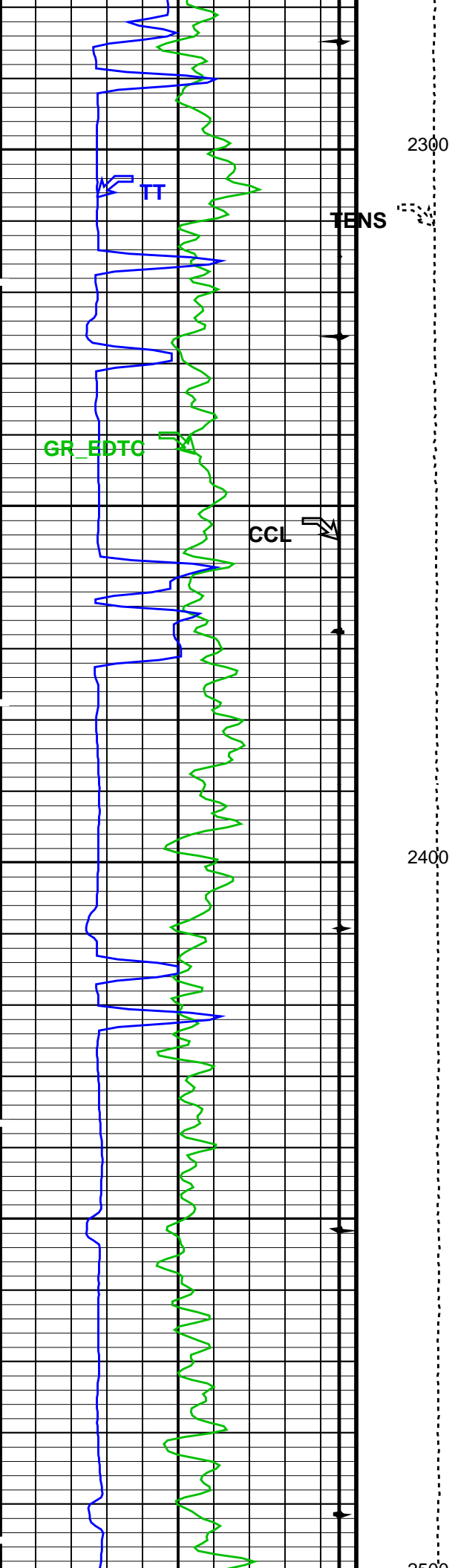


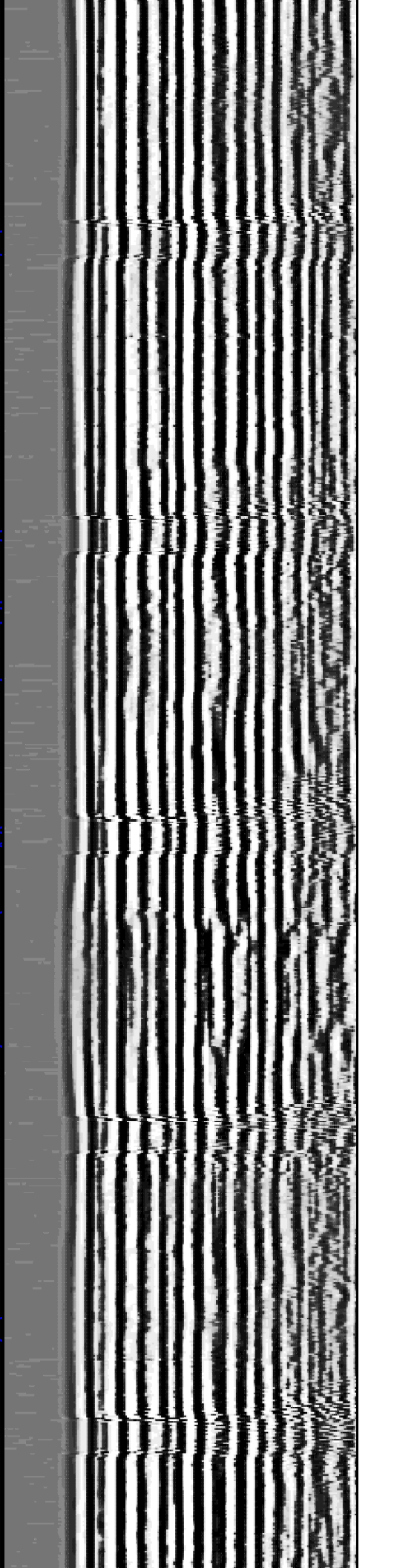
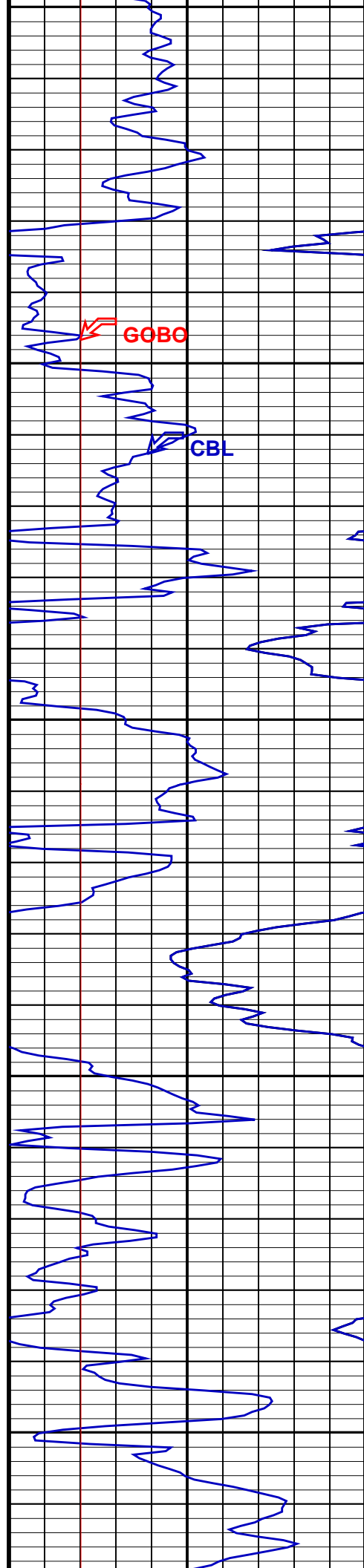
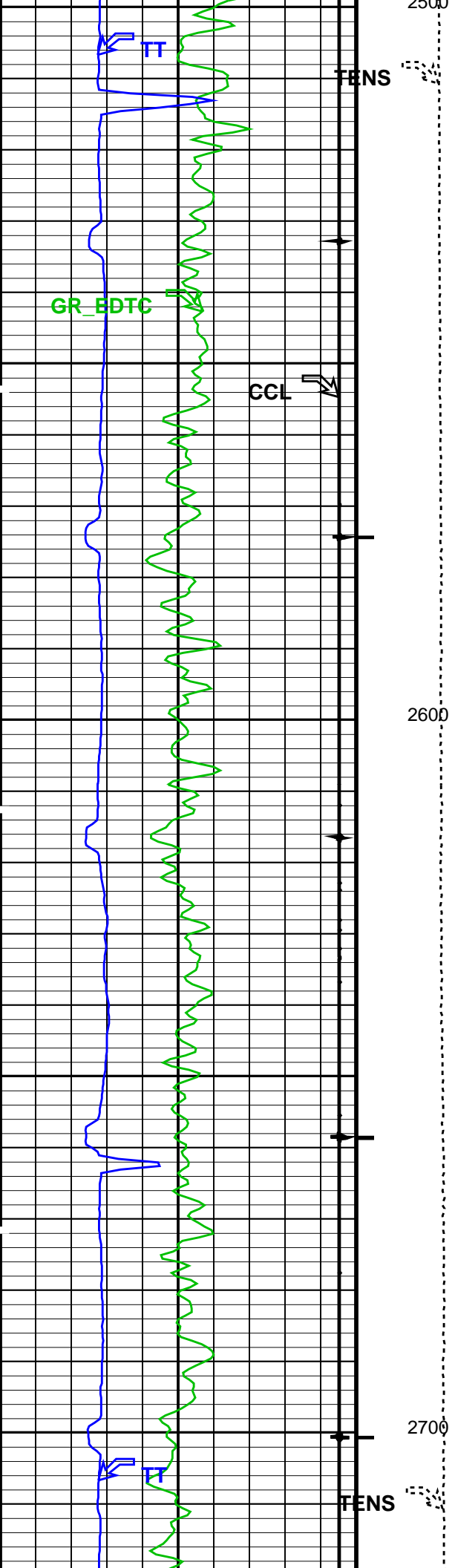




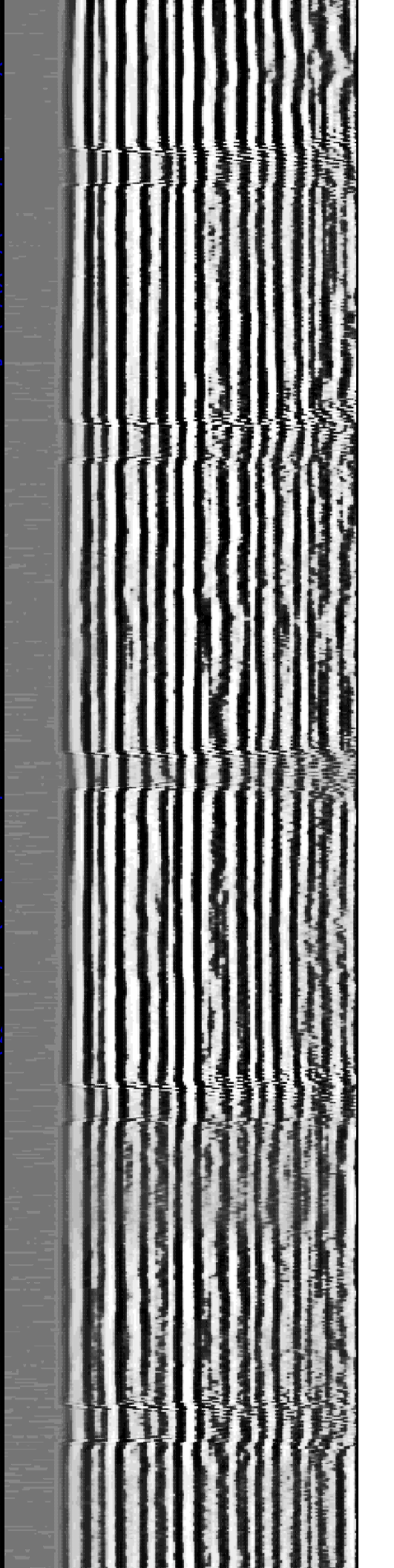
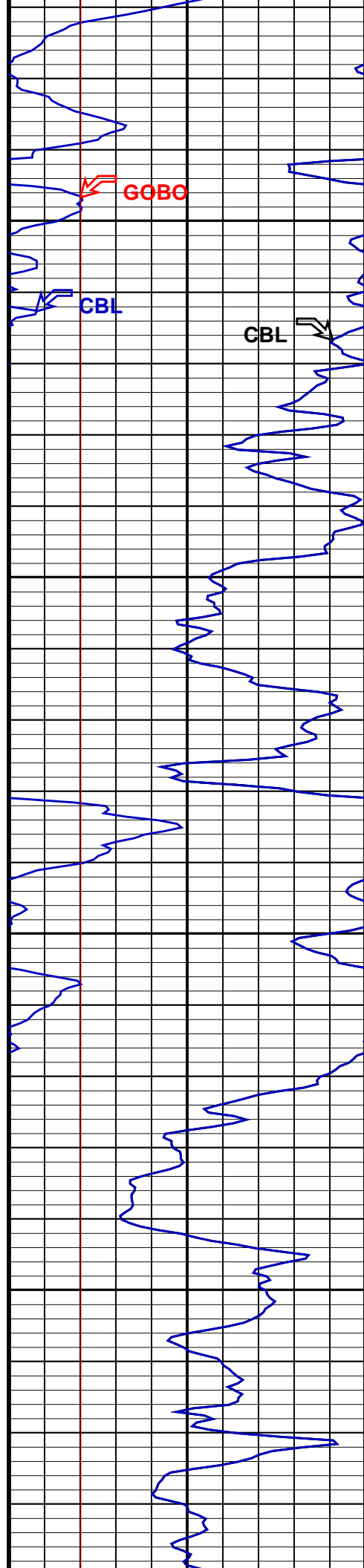
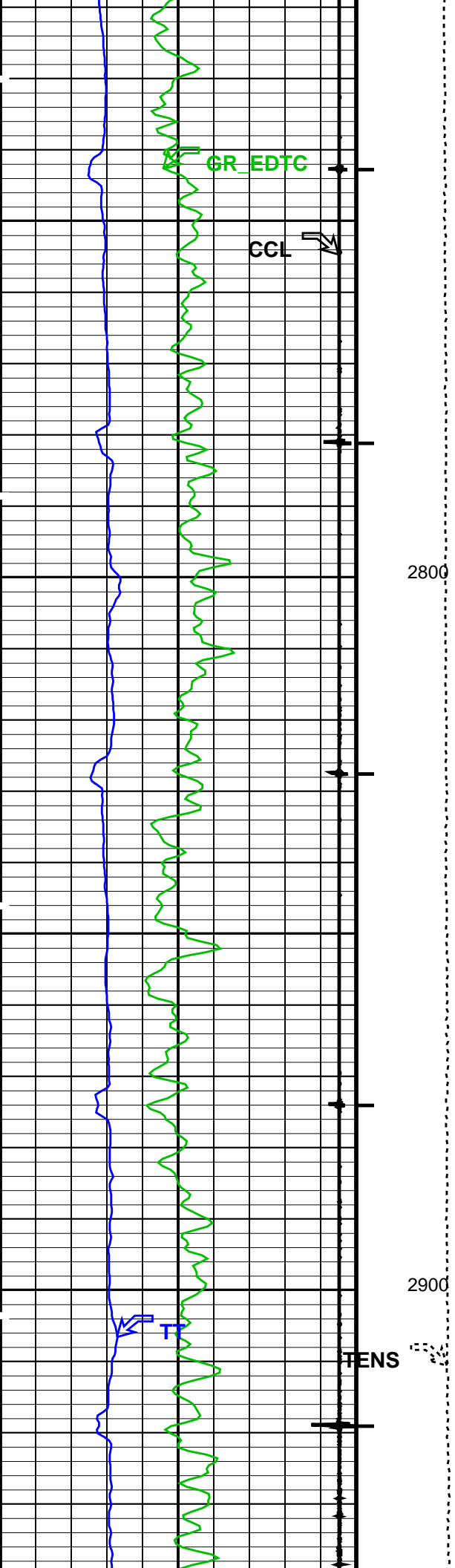


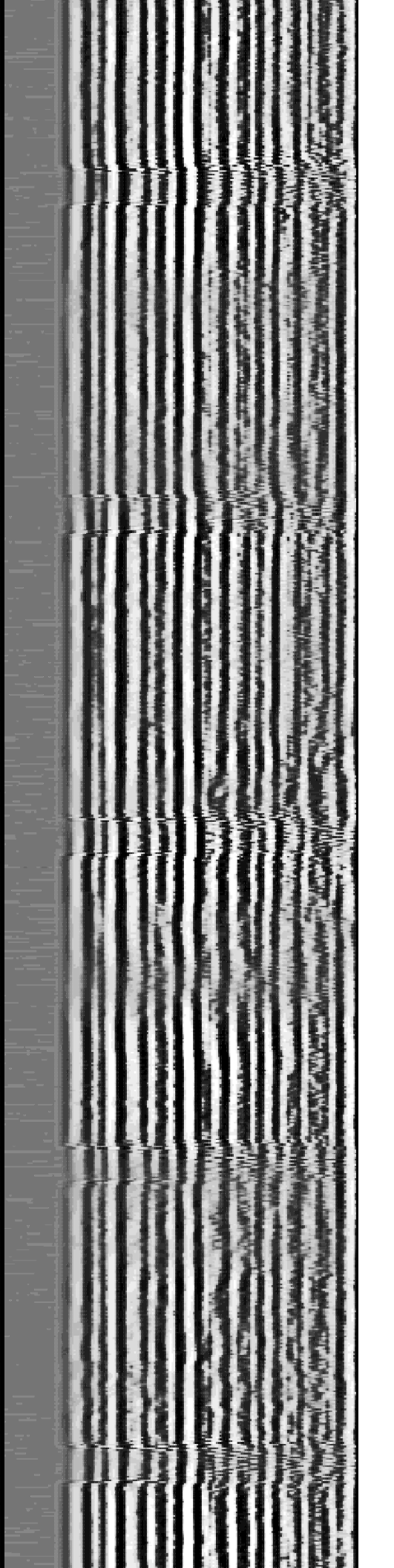
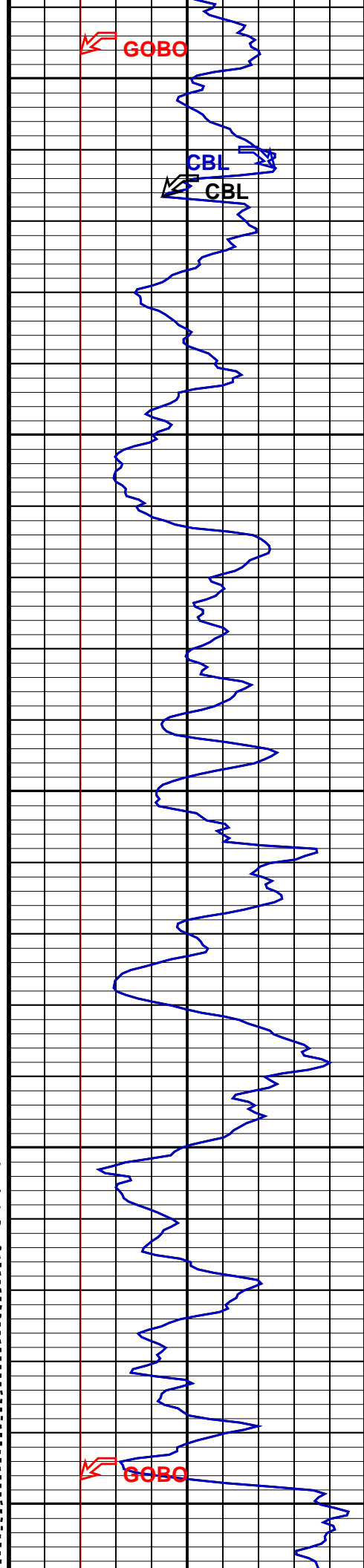
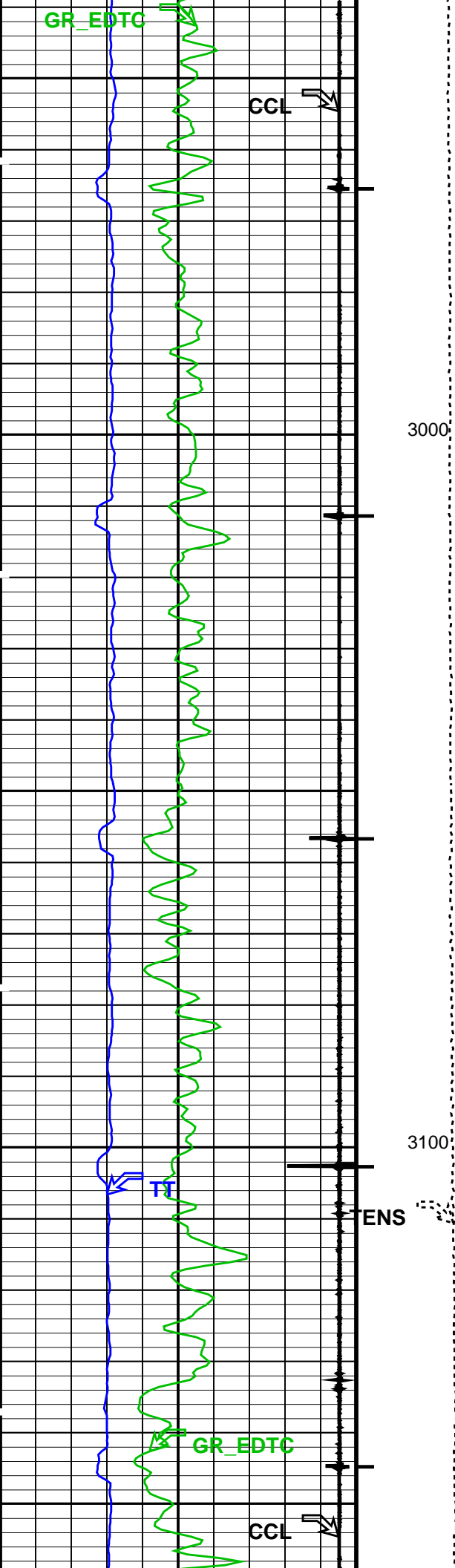


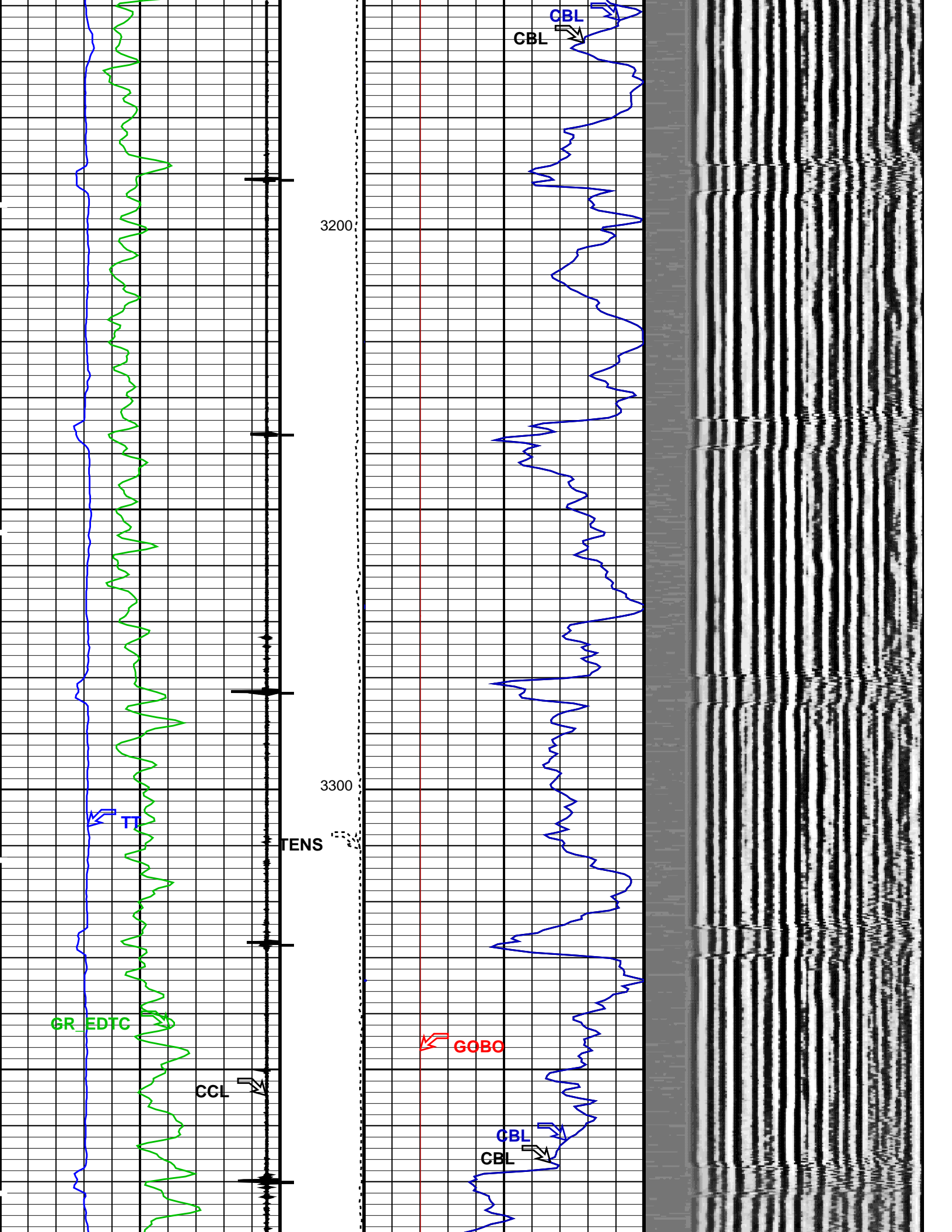




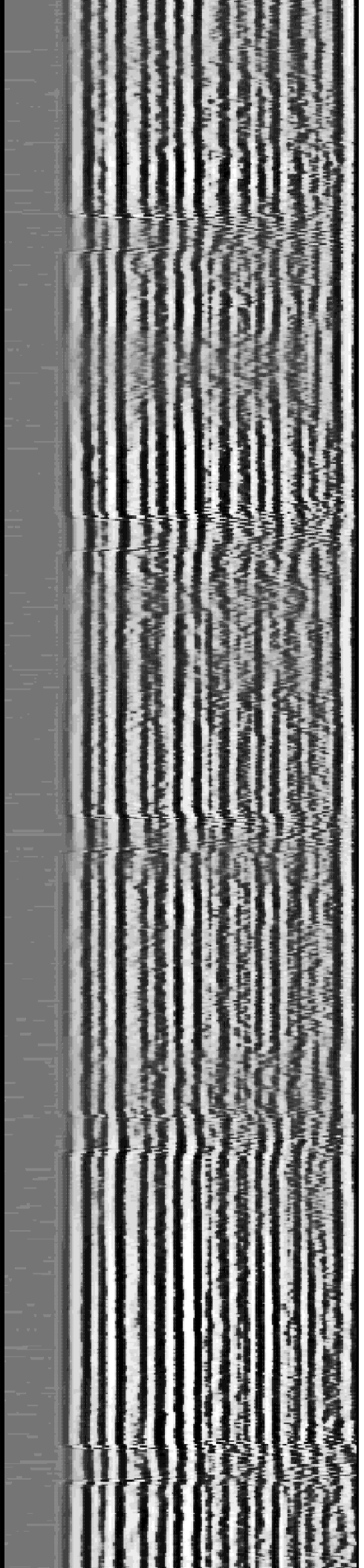
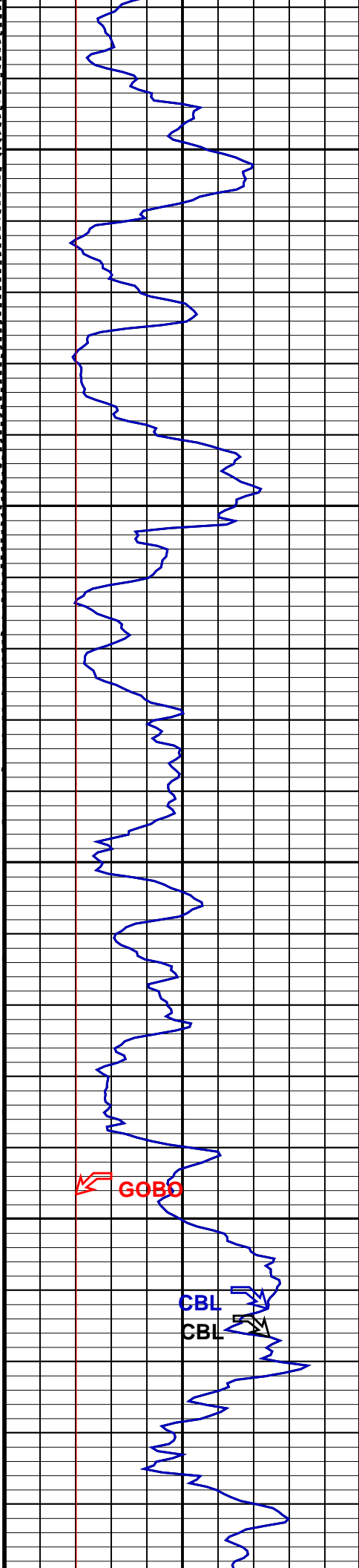
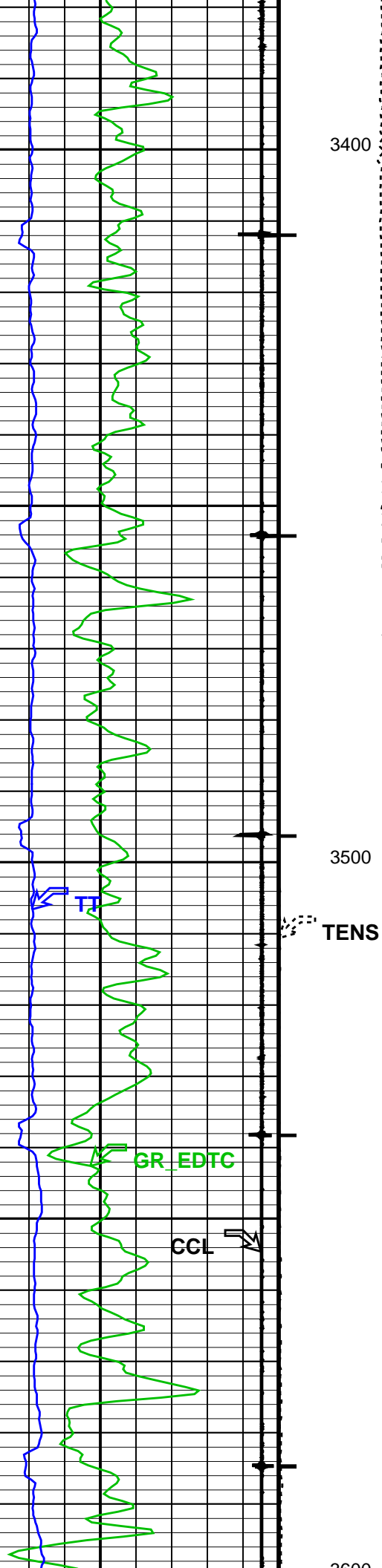


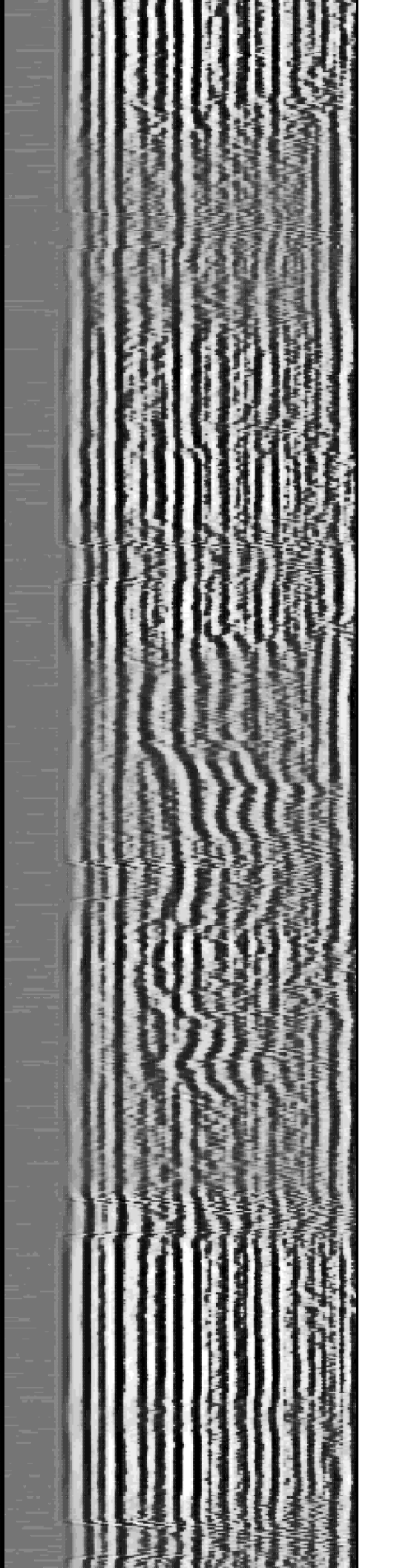
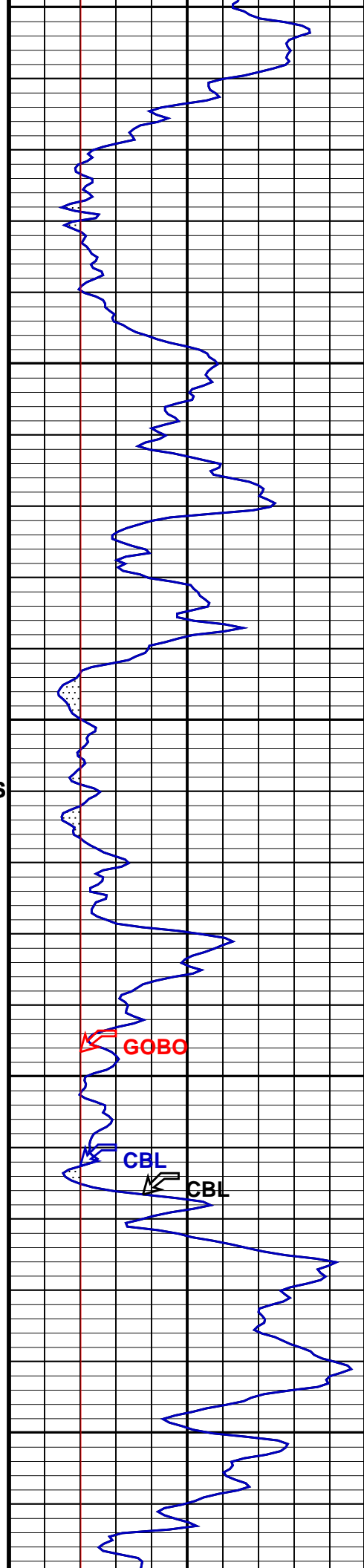
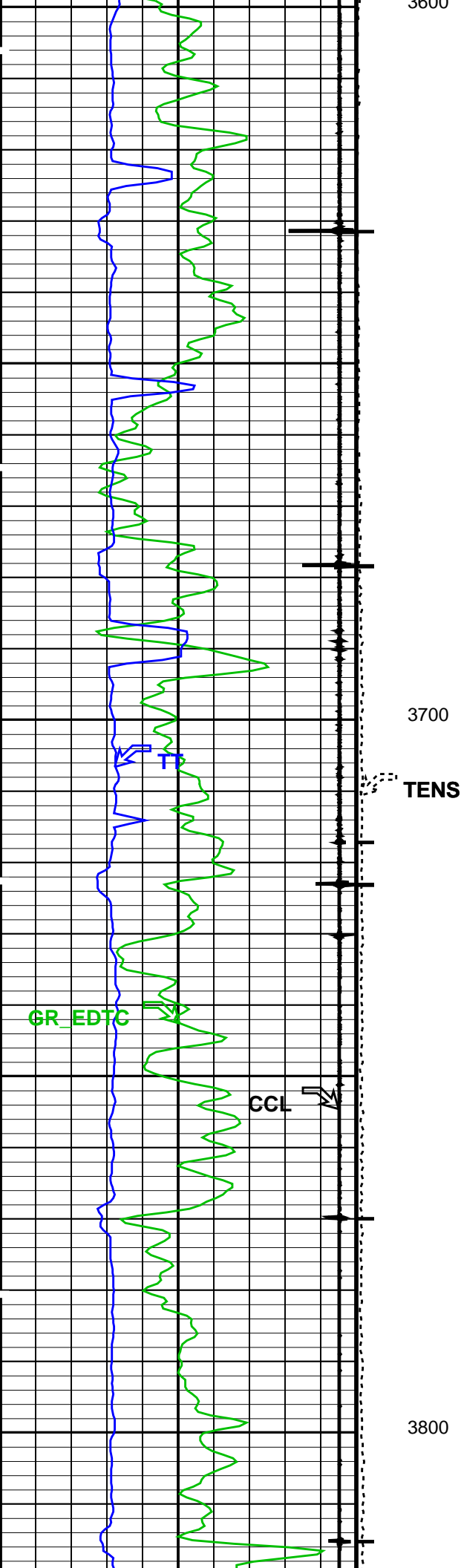


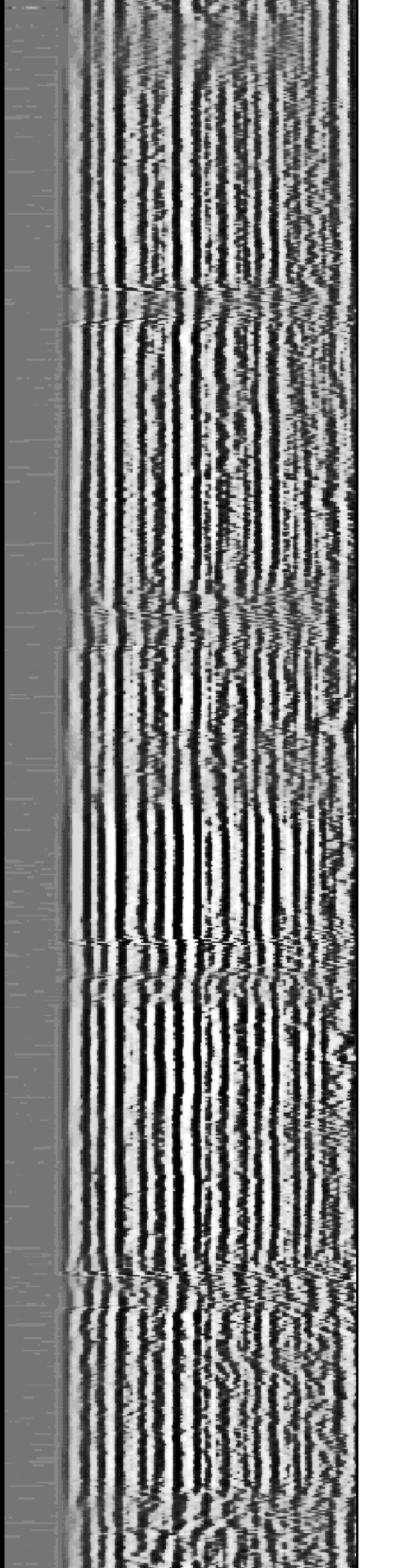
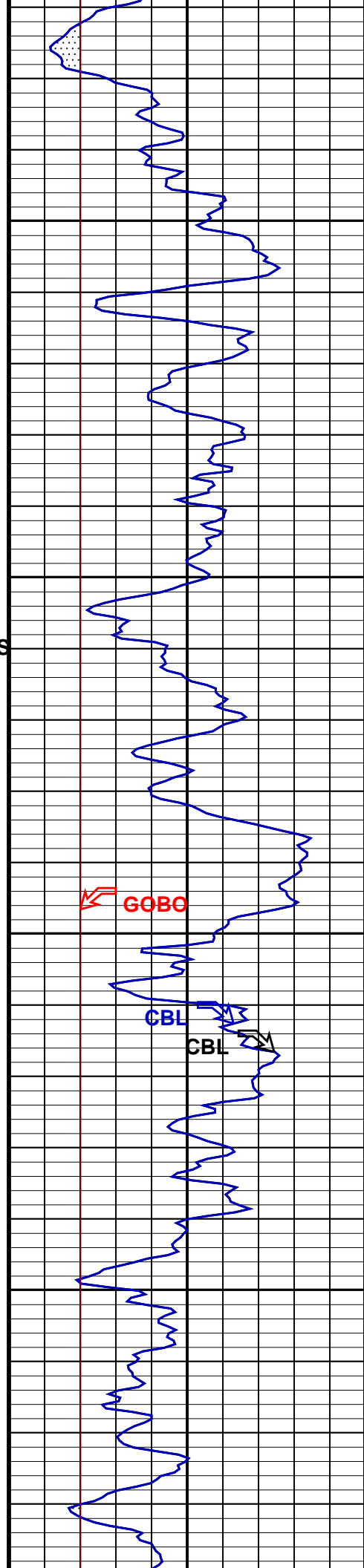
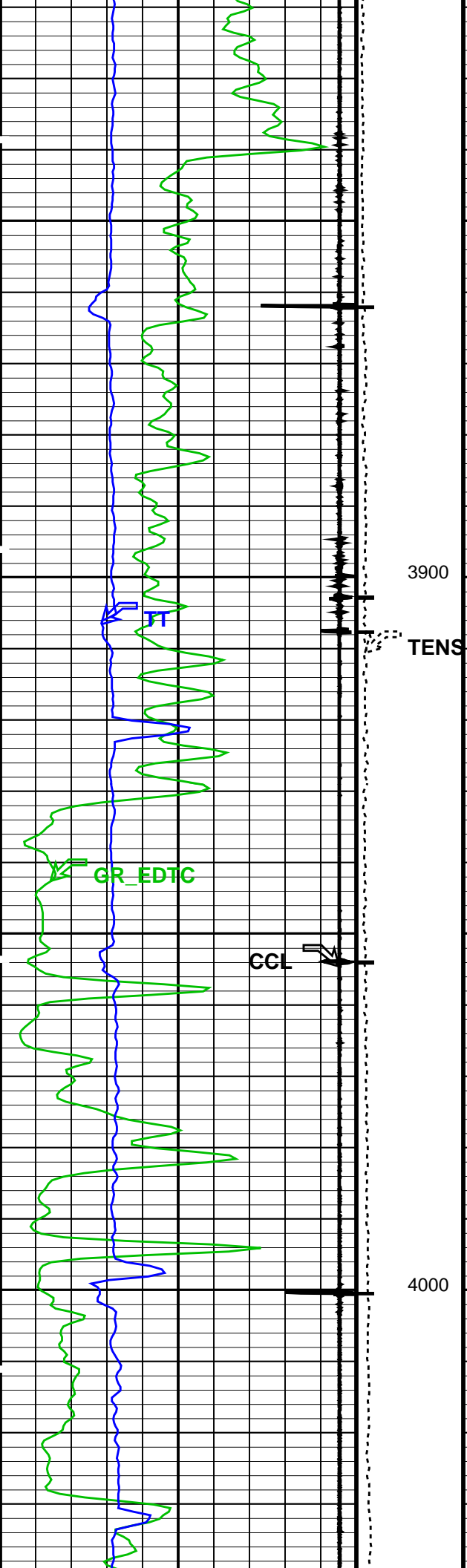




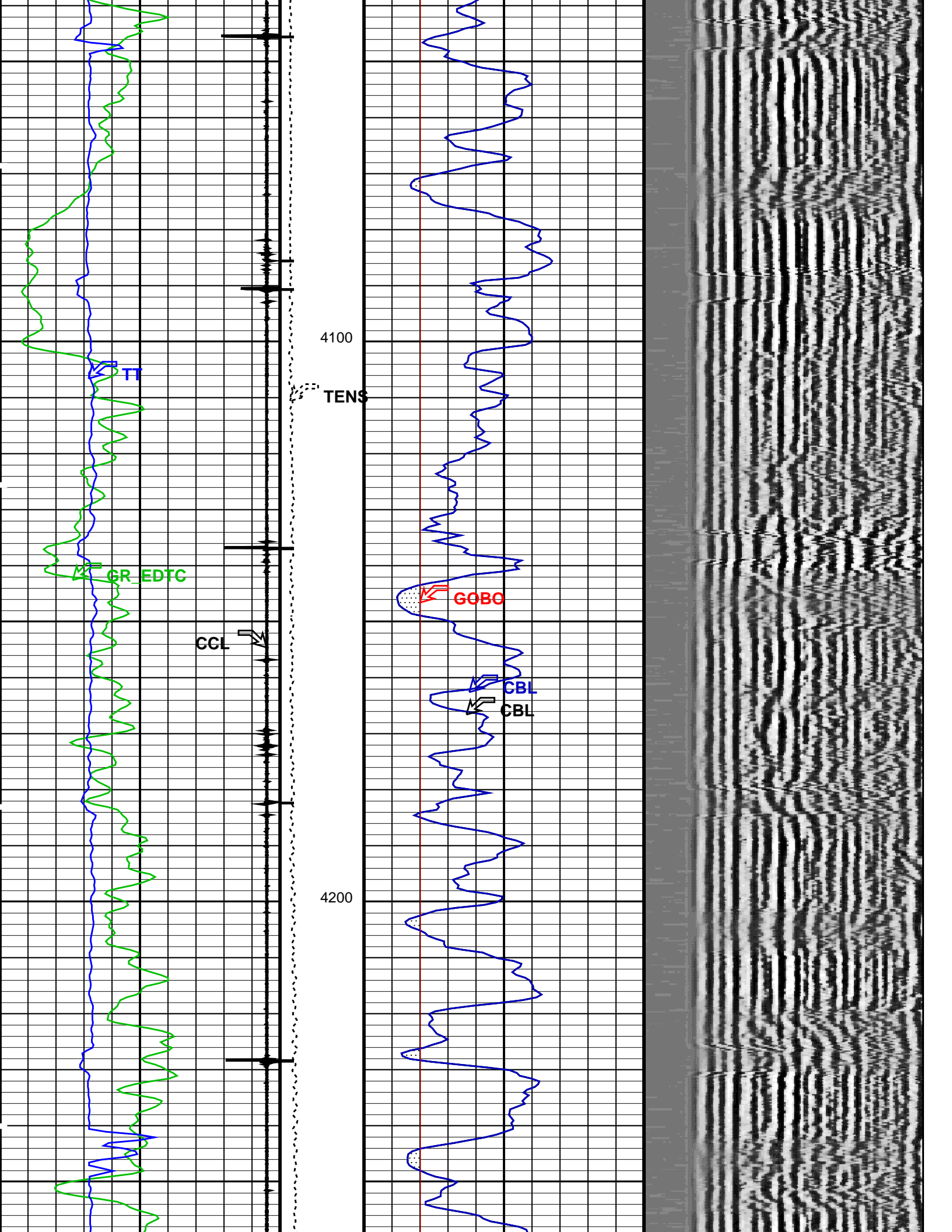


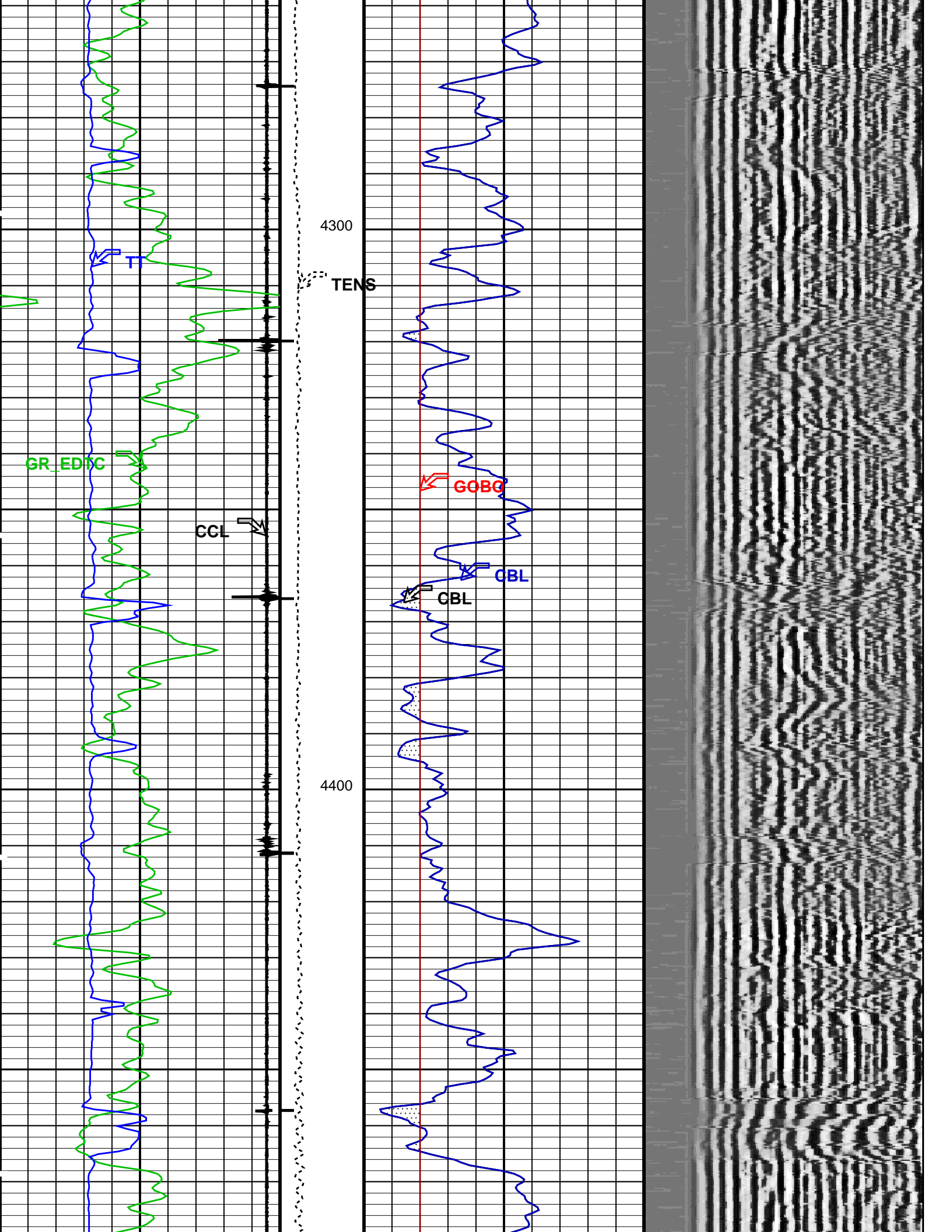




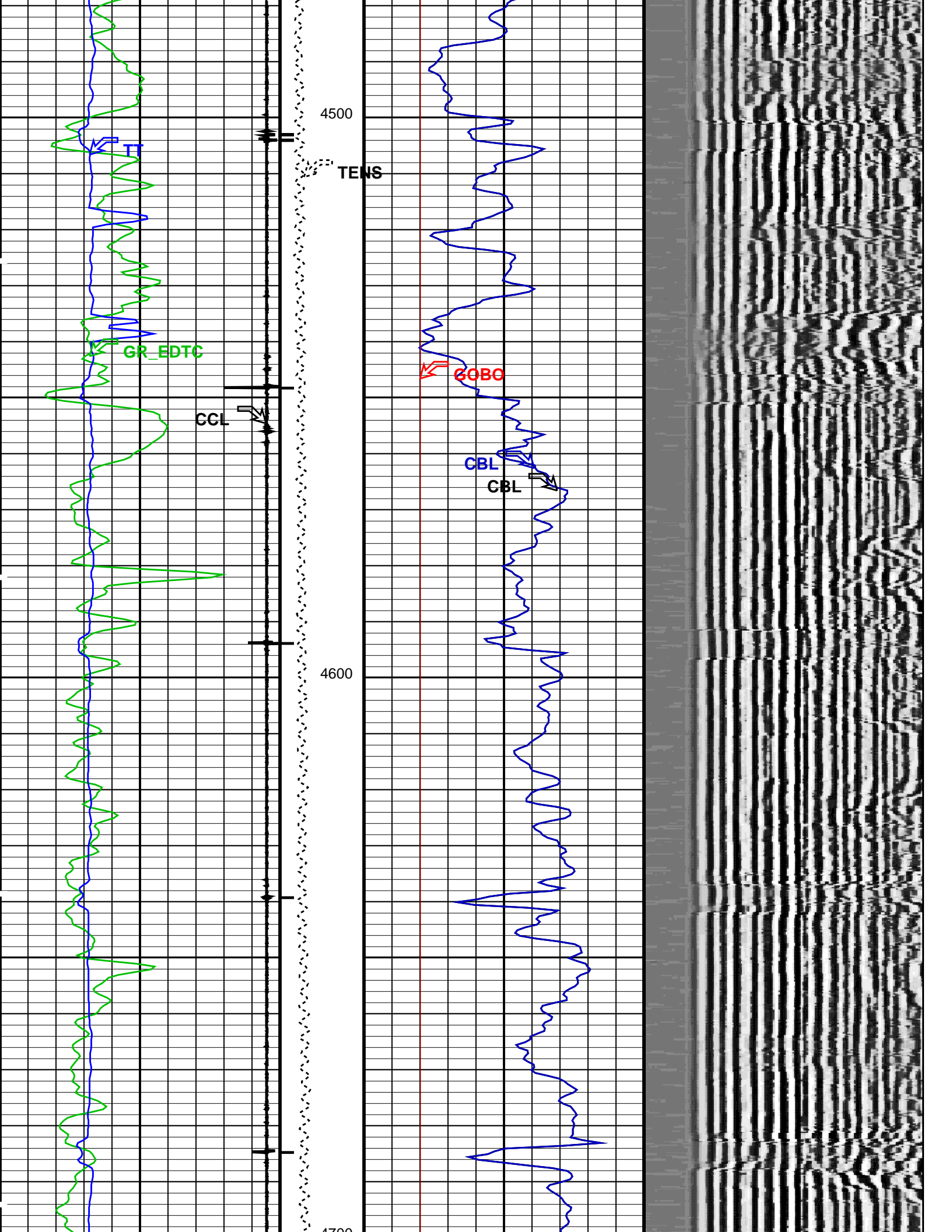


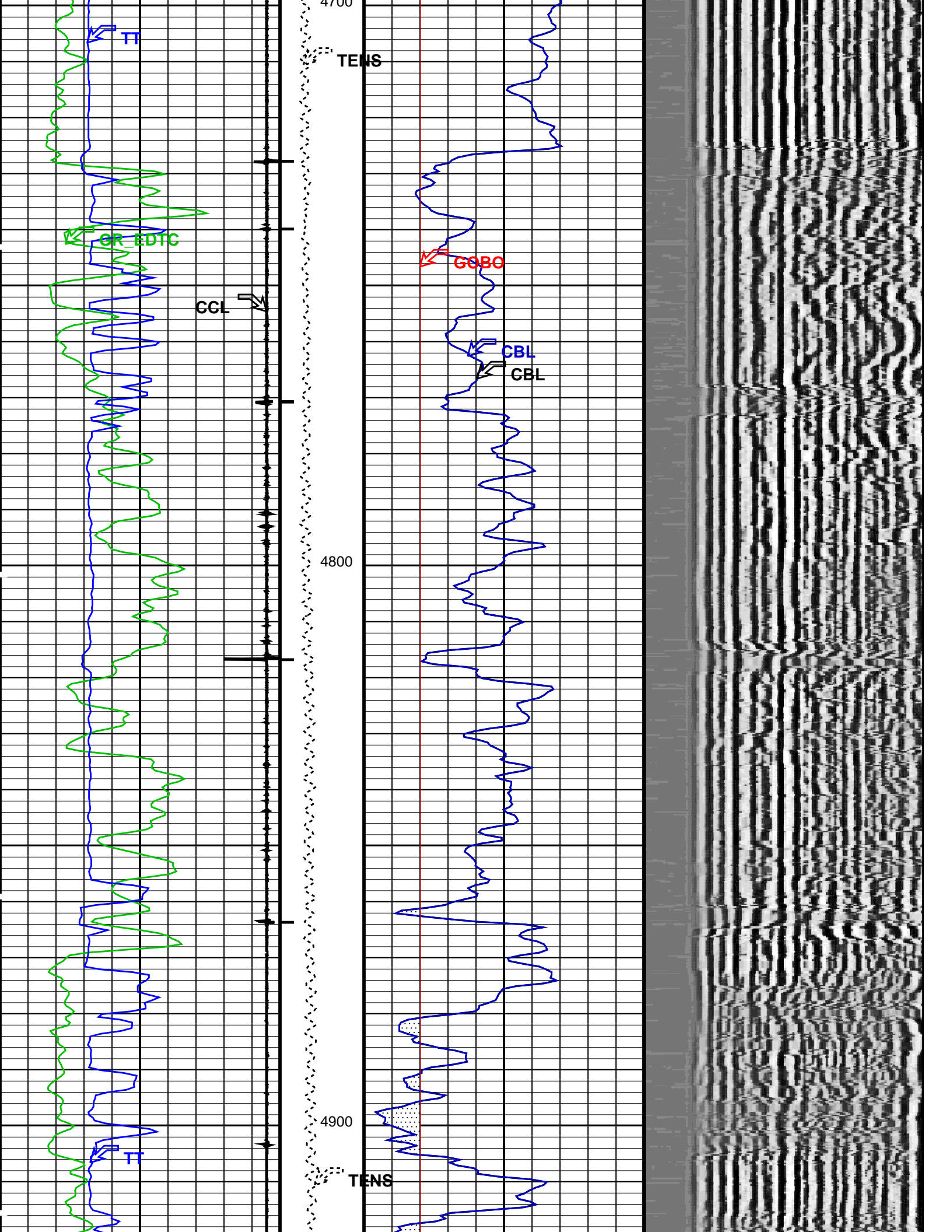


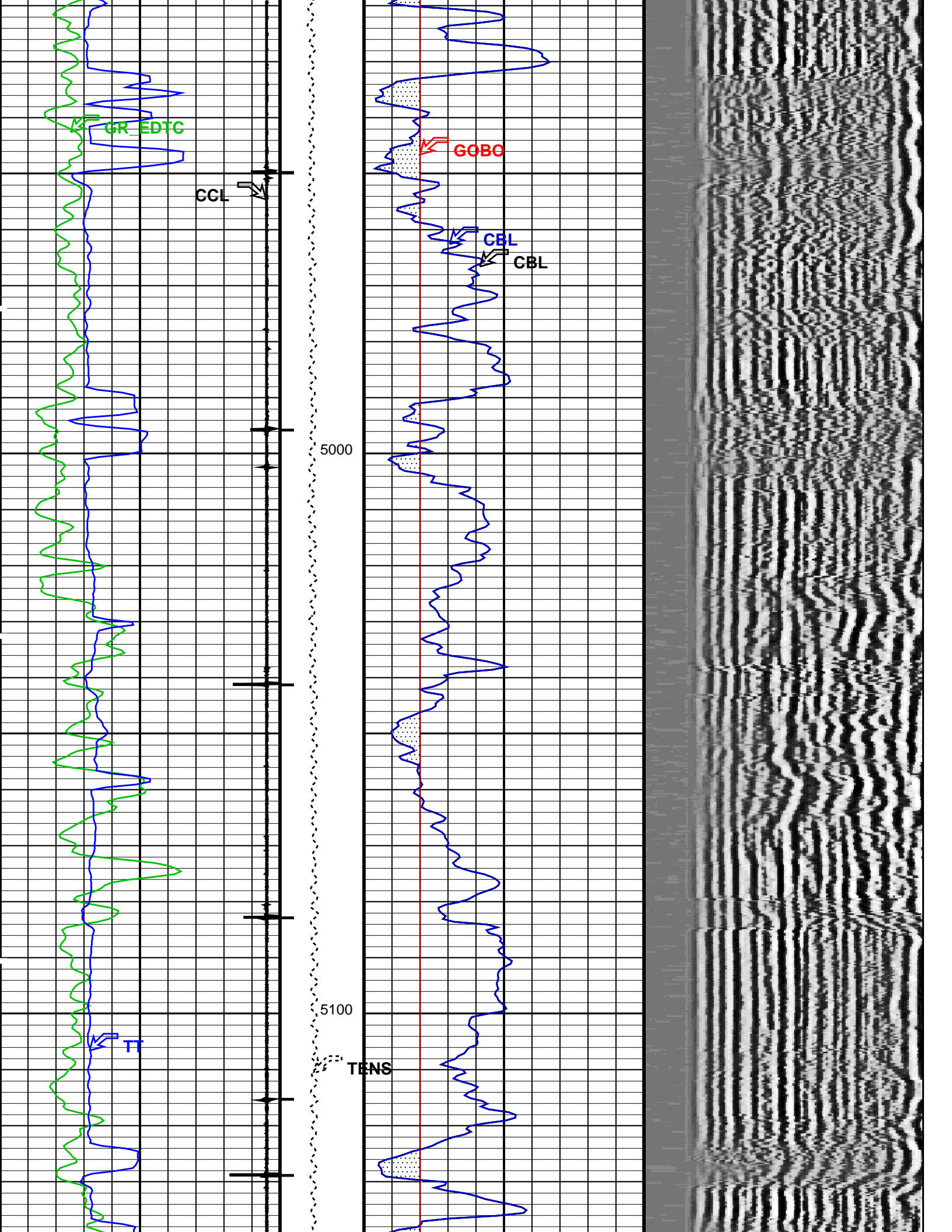




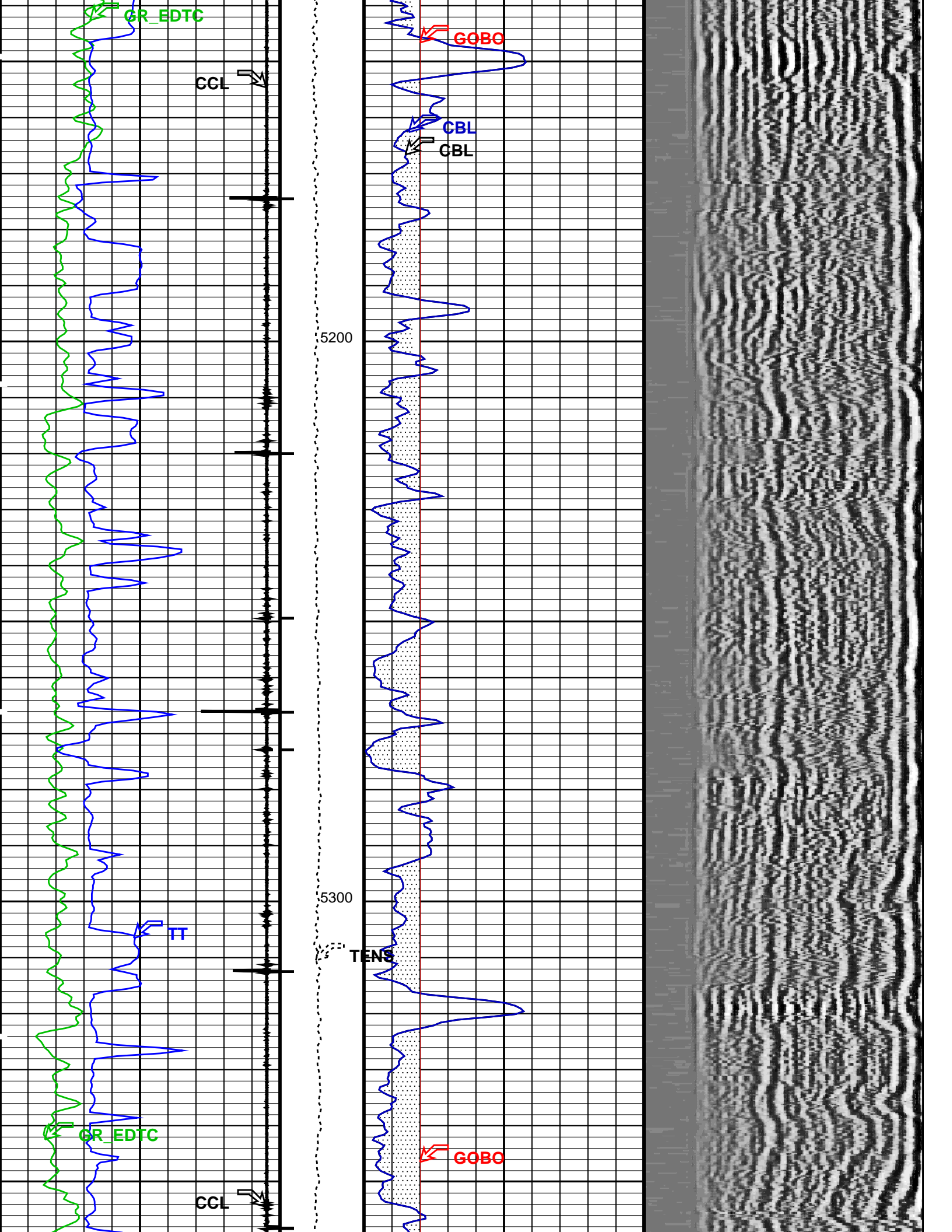


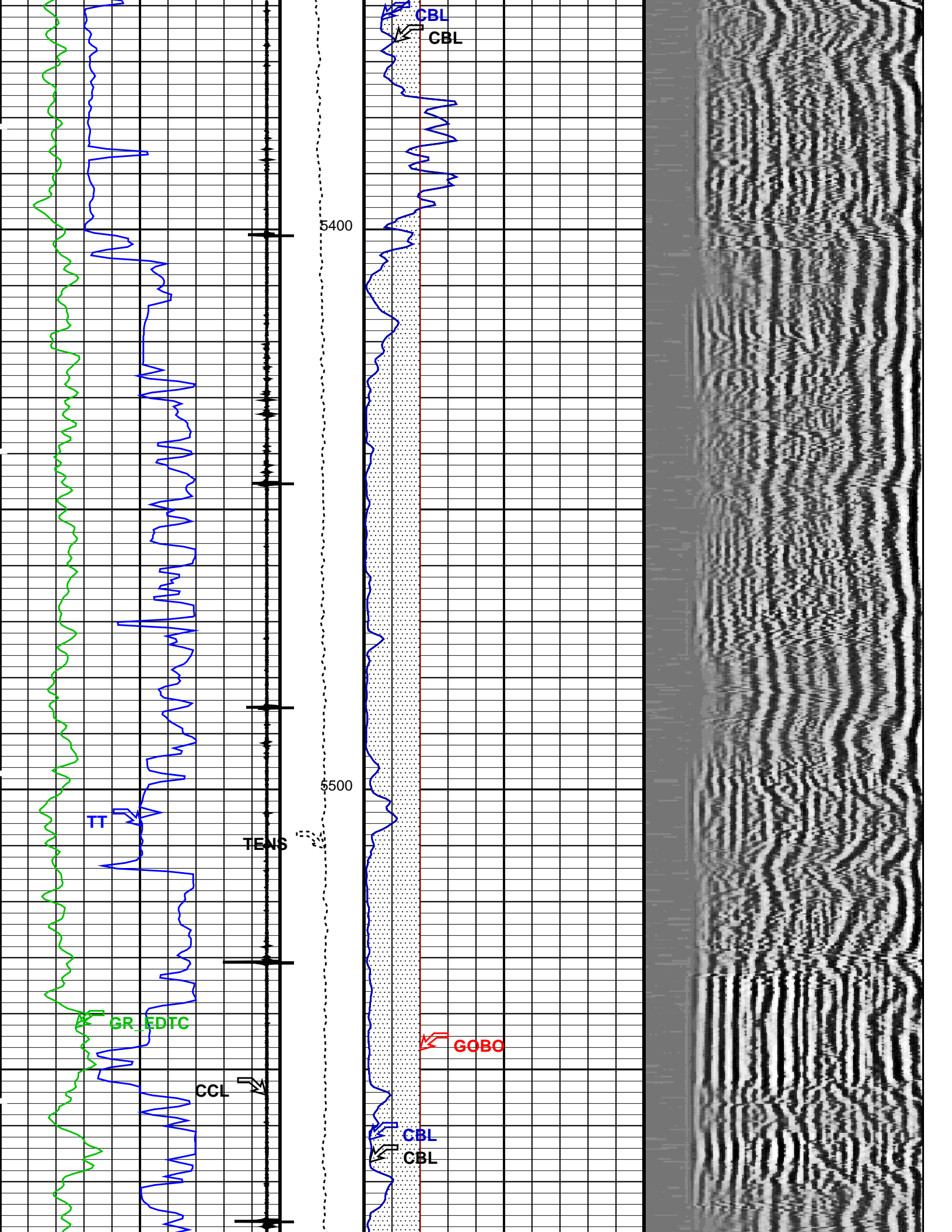


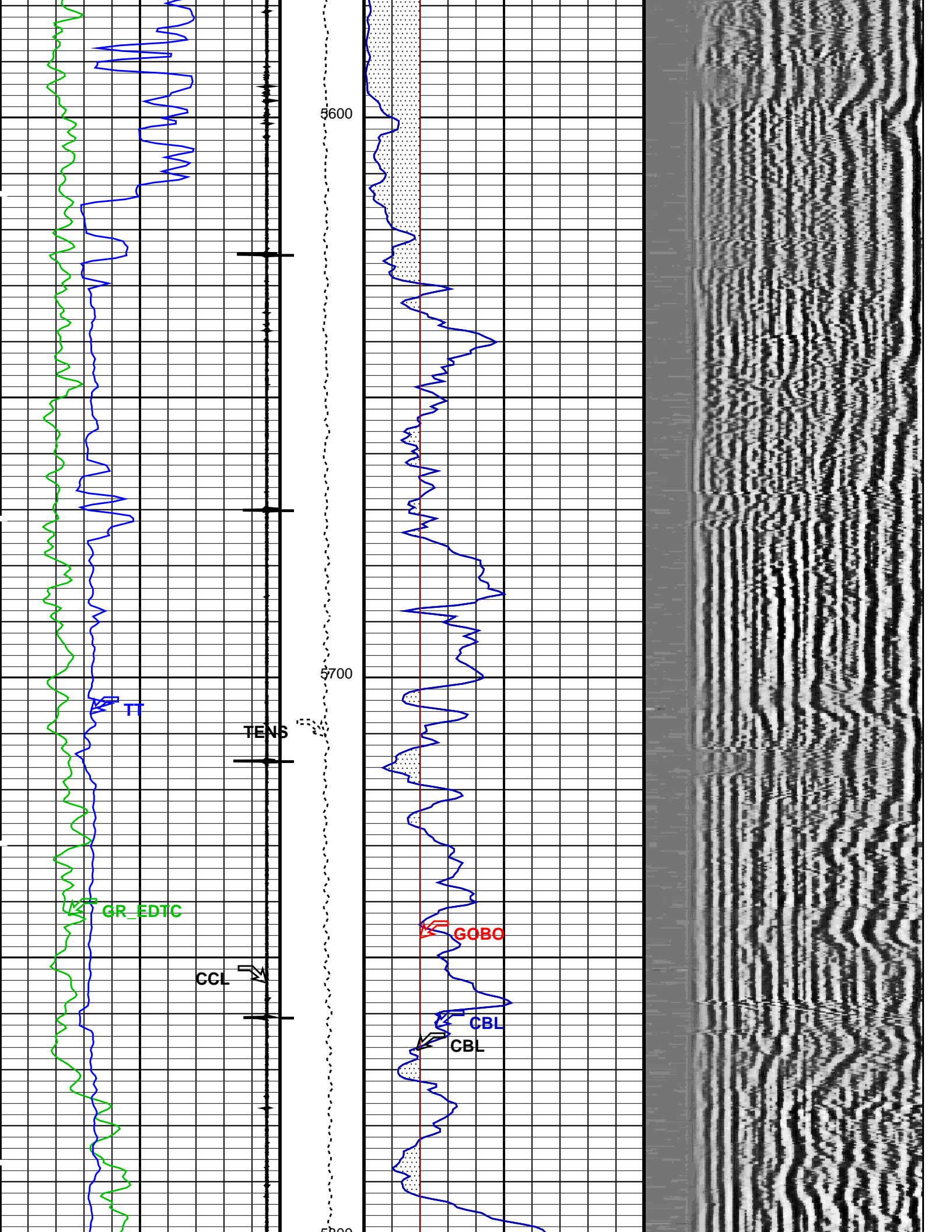




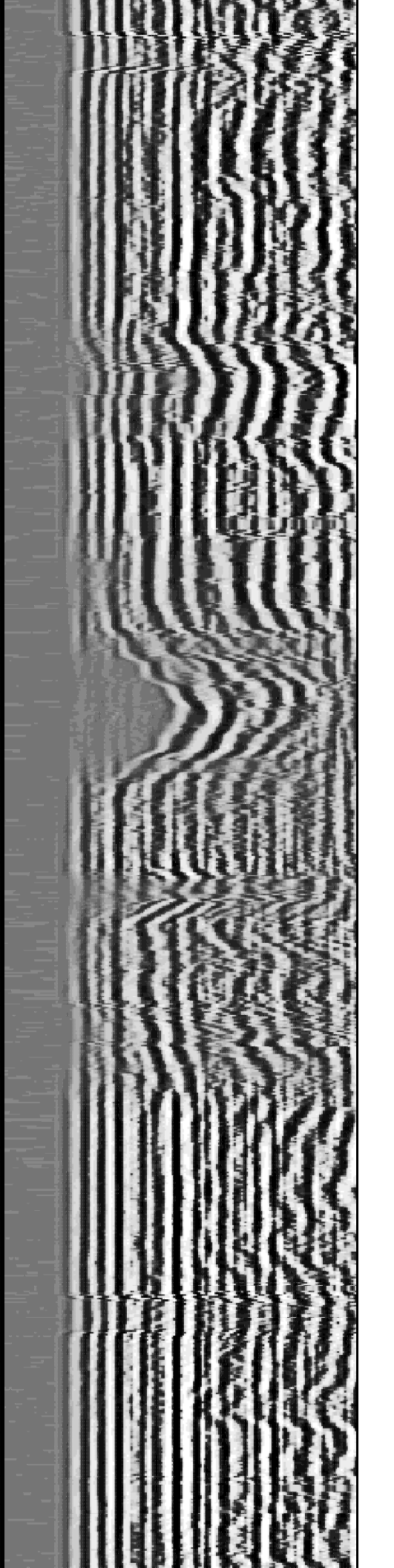
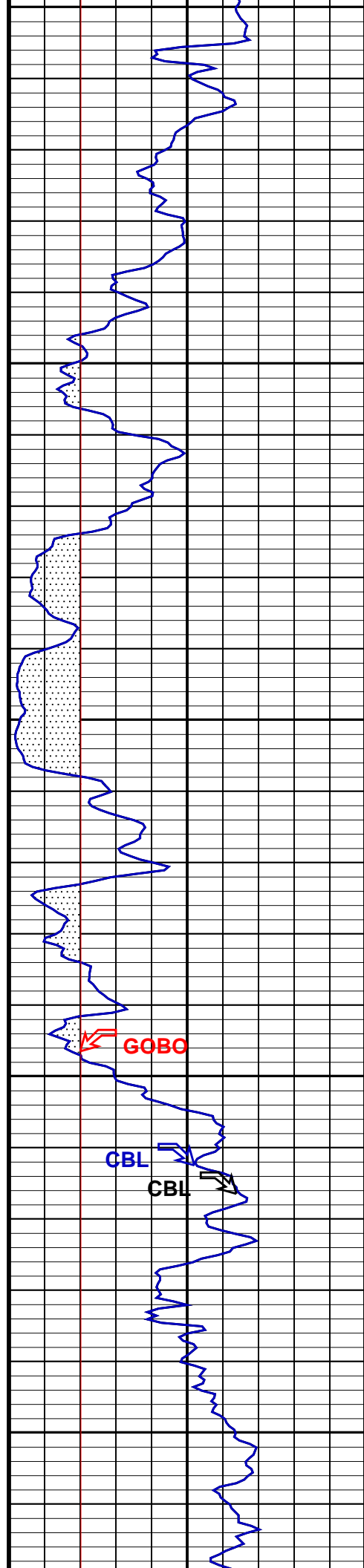
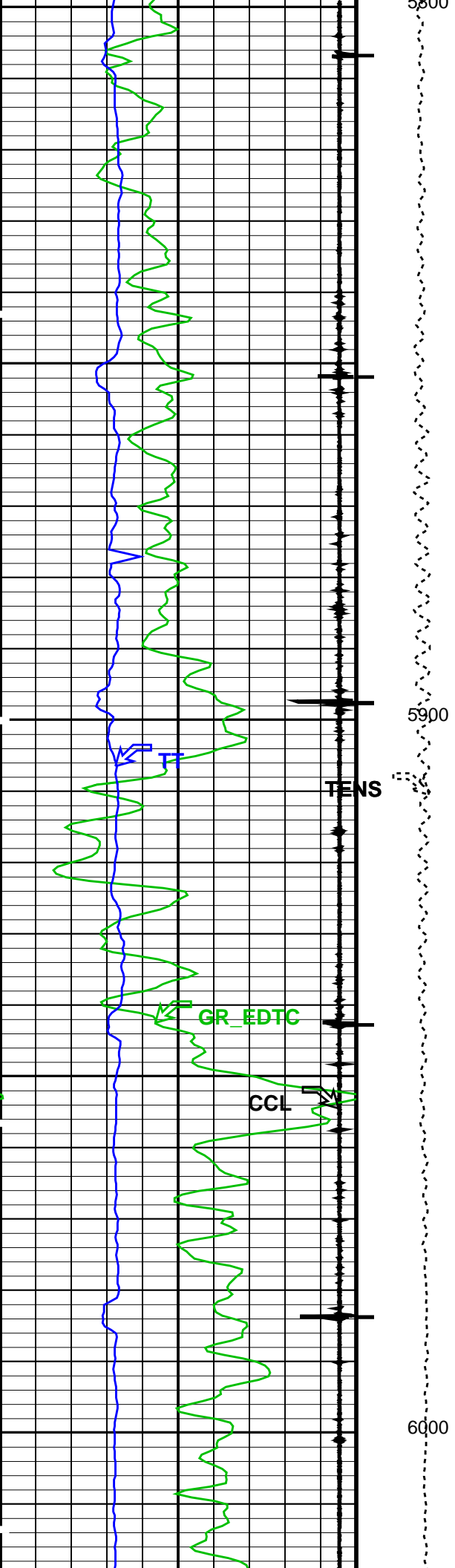


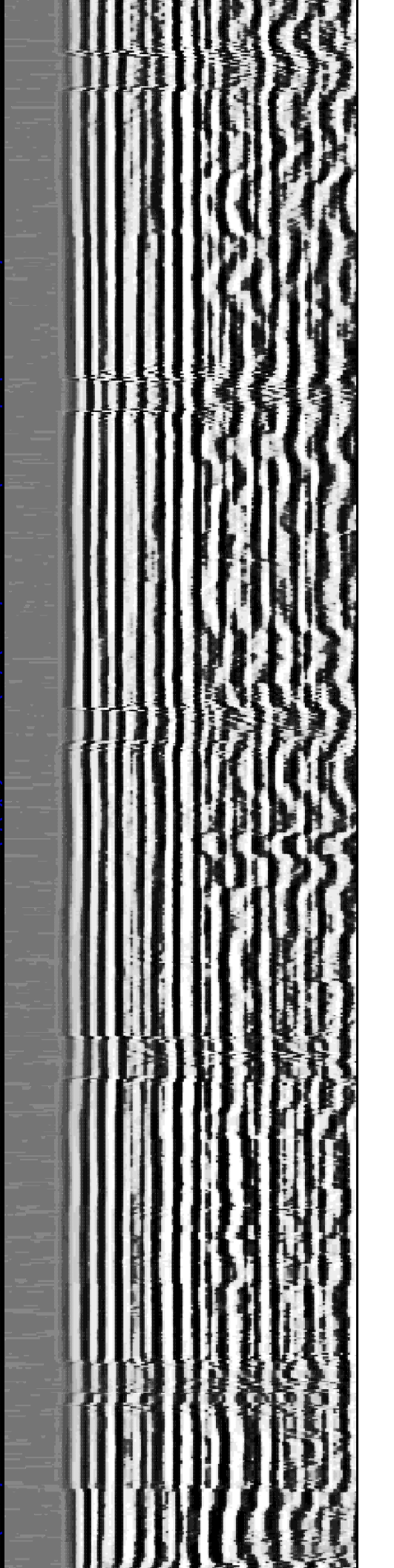
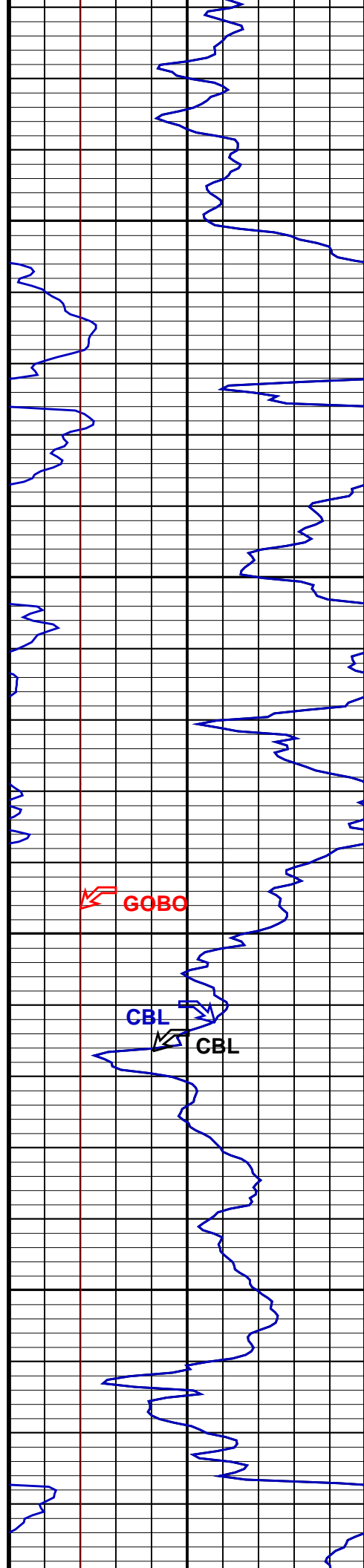
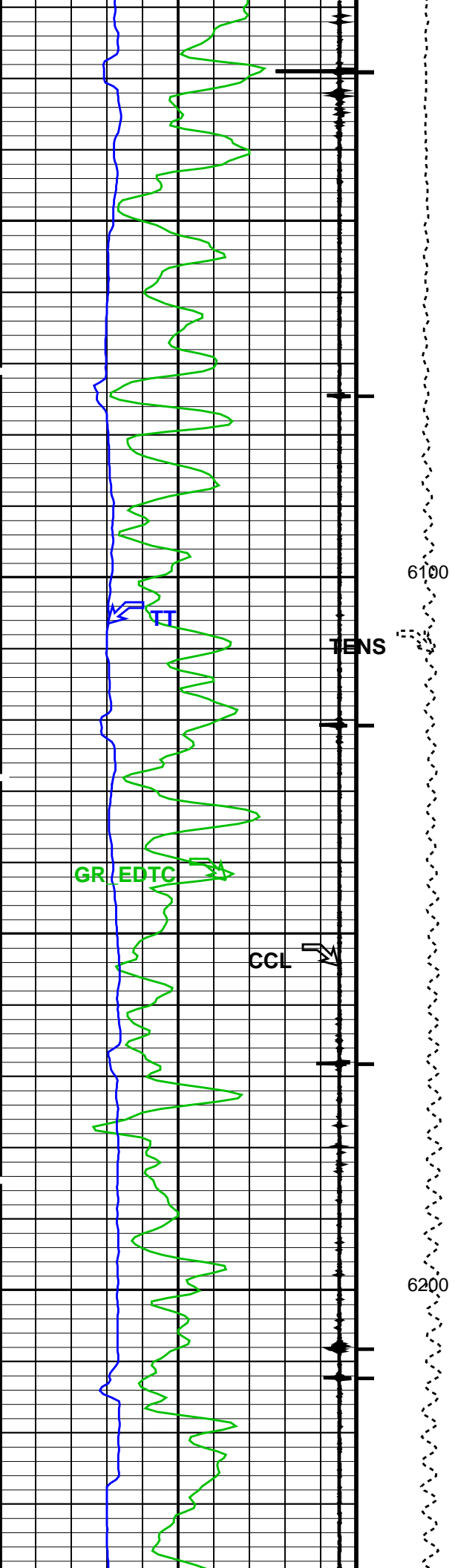




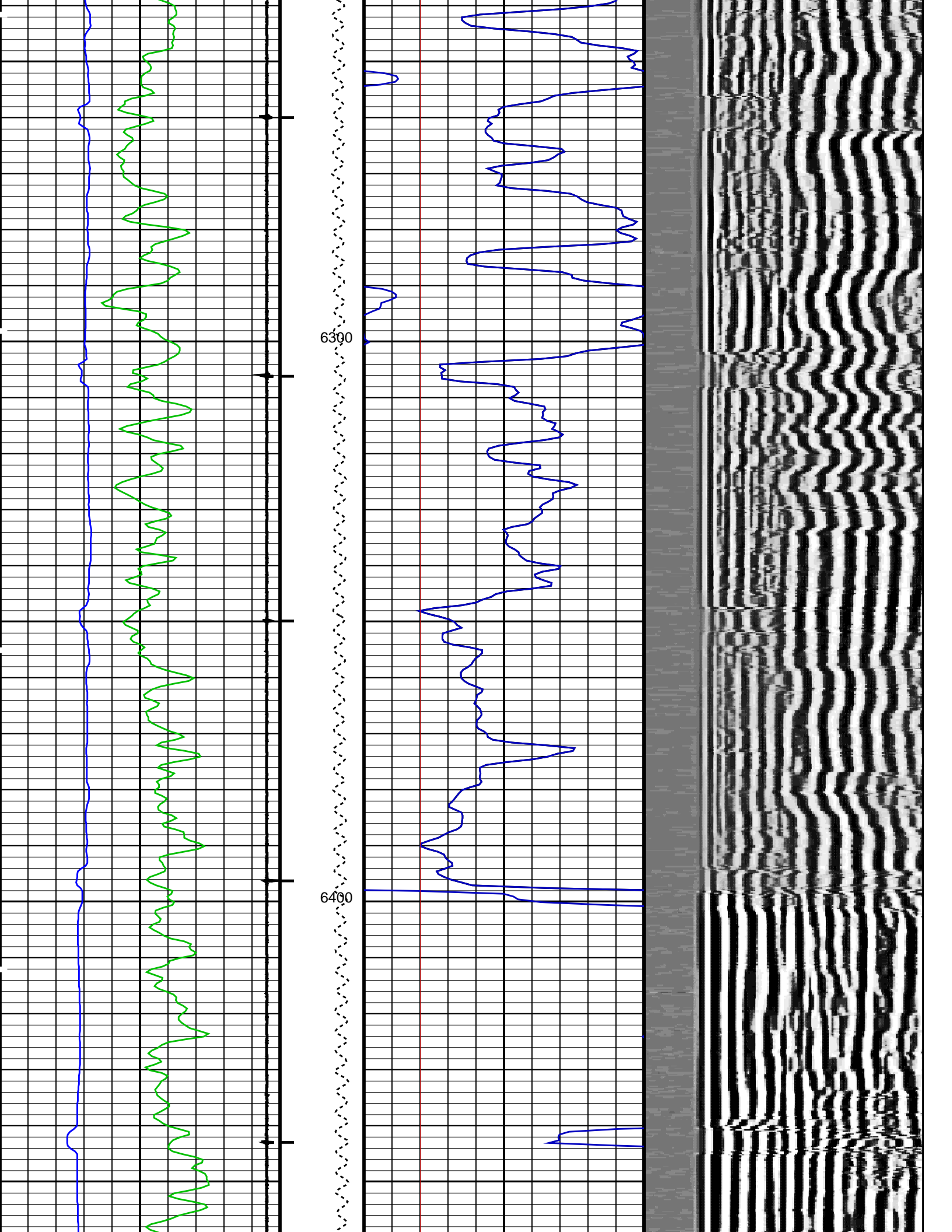


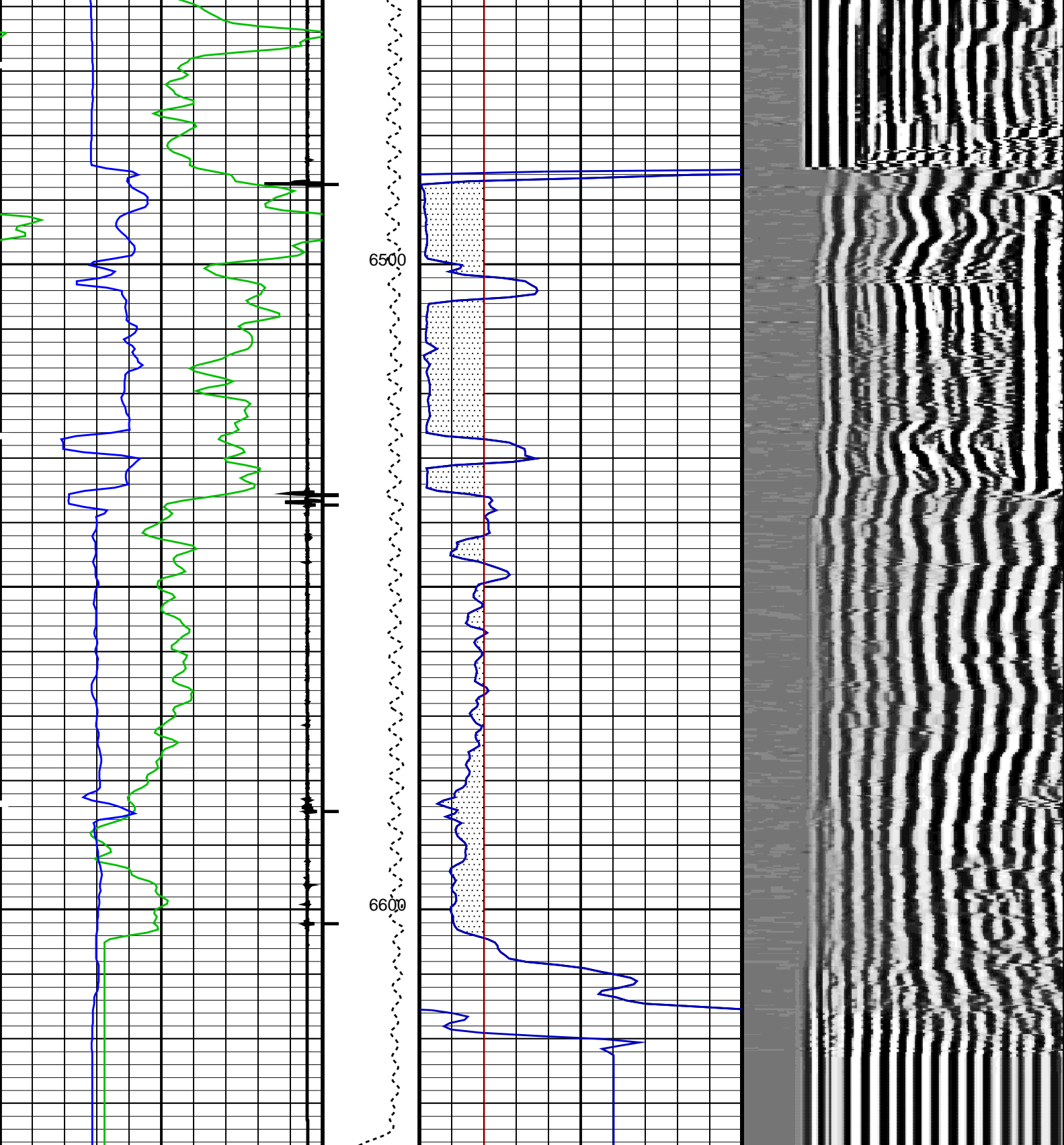












|                                       |  |     |
|---------------------------------------|--|-----|
| Gamma Ray (GR_EDTC)<br>(GAPI)         |  |     |
| 0                                     |  | 150 |
| Transit Time (TT)<br>(US)             |  |     |
| 400                                   |  | 200 |
| Casing Collar Locator (CCL)<br>(----) |  |     |
| -19                                   |  | 1   |

Tension  
(TENS)  
(LBF)

2000

4000

|                             |  |     |
|-----------------------------|--|-----|
| CBL Amplitude (CBL)<br>(MV) |  |     |
| 0                           |  | 100 |
| CBL Amplitude (CBL)<br>(MV) |  |     |
| 0                           |  | 100 |
| Good Bond (GOBO)<br>(MV)    |  |     |
| 0                           |  | 10  |

GoodBond  
From ACBL to GOBO

|     |                                    |      |
|-----|------------------------------------|------|
| Min | Amplitude                          | Max  |
| 200 | VDL Variable Density (VDL)<br>(US) | 1200 |

# PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Format: CBL\_VDL Vertical Scale: 5" per 100'

Graphics File Created: 12-Nov-2010 15:02

## OP System Version: 17C0-154

DSLT-FTB 17C0-154 CAL-Y 17C0-154  
EDTC-B SRPC-3971-Q1\_2010\_OP17

### ### Information for DSLT Sonde Status and Casing Features ###

|  |                  |
|--|------------------|
| Sonde Type   | Not Recorded     |
| Sonde Serial Number                                | Not Recorded (0) |
| Casing Size (CSIZ)                                 | 7.0 IN           |
| Casing Weight (CWEI)                               | 23.0 LB/F        |
| Expected CBL Amplitude in Free Pipe Section (CBRA) | 62.0 MV          |
| Minimum Sonic Amplitude (MSA : 100% Cement)        | 0.847080 MV      |
| Minimum Sonic Amplitude (MSA : 80% Cement)         | 1.99902 MV       |
| Date of Master Calibration                         | Not Recorded     |
| CBL Correction Factor (Master Calibration)         | 2.50000          |
| Depth of Before Calibration (BDEP)                 | Not Recorded     |
| CBL Adjustment Factor (CBAF : Before Calibration)  | 0.762500         |

## Parameters

| DLIS Name                               | Description                        | Value      |
|---|------------------------------------|------------|
| DSLT-FTB: Digitizing Sonic Logging Tool |                                    |            |
|   | DSLT Firing Mode                   | CBL_W      |
|   | Telemetry Mode                     | DSLCL_FTB  |
| AMSG                                    | Auxiliary Minimum Sliding Gate     | 260 US     |
| CBAF                                    | CBL Adjustment Factor              | 0.7625     |
| CBLG                                    | CBL Gate Width                     | 99 US      |
| DDEL                                    | Digitizing Delay                   | 0 US       |
| DRCS                                    | DSLT DLIS Recording Size           | 120        |
| DSIN                                    | Digitizing Sample Interval         | 10         |
| DTFS                                    | DSLC Telemetry Frame Size          | 236        |
| DWCO                                    | Digitizing Word Count              | 120        |
| GAI                                     | Manual Gain                        | 40         |
| GOBO                                    | Good Bond                          | 1.99902 MV |
| MAHTR                                   | Manual High Threshold Reference    | 1          |
| MGAI                                    | Maximum Gain                       | 1000       |
| MNHTR                                   | Minimum High Threshold Reference   | 30         |
| NMSG                                    | Near Minimum Sliding Gate          | 265 US     |
| NMXG                                    | Near Maximum Sliding Gate          | 960 US     |
| RATE                                    | Firing Rate                        | R7         |
| SFAF                                    | Sonic Formation Attenuation Factor | 0 DB/F     |
| SGCL                                    | Sliding Gate Closing Delta-T       | 250 US/F   |
| SGDT                                    | Sliding Gate Delta-T               | 59 US/F    |
| SGW                                     | Sliding Gate Width                 | 80 US      |
| SLEV                                    | Signal Level for AGC               | 5000       |
| VDLG                                    | VDL Manual Gain                    | 5          |
| WAGC                                    | Waveform AGC Allow/Disallow        | OFF        |
| WMOD                                    | Waveform Firing Mode               | FULL       |
| CAL-Y: Casing Anomaly Locator - Y       |                                    |            |
| CCLD                                    | CCL reset delay                    | 12 IN      |
| CCLT                                    | CCL Detection Level                | 0.3 V      |
| System and Miscellaneous                |                                    |            |
| DO                                      | Depth Offset for Playback          | 4.0 FT     |
| PP                                      | Playback Processing                | NORMAL     |

# Input DLIS Files

DEFAULT      SPLICE\_SONIC\_009      FN:1      PRODUCER      12-Nov-2010 15:00      6632.5 FT      13.3 FT

# Output DLIS Files

DEFAULT      SONIC\_010PUP      FN:7      PRODUCER      12-Nov-2010 15:02

**Schlumberger**

**REPEAT PASS**

MAXIS Field Log

Company: Chevron North America      Well: Beezley 5X22

# Input DLIS Files

DEFAULT      SONIC\_004LUP      FN:3      PRODUCER      12-Nov-2010 12:16      6632.0 FT      6128.5 FT

# Output DLIS Files

DEFAULT      SONIC\_011PUP      FN:8      PRODUCER      12-Nov-2010 15:06      6636.0 FT      6132.5 FT

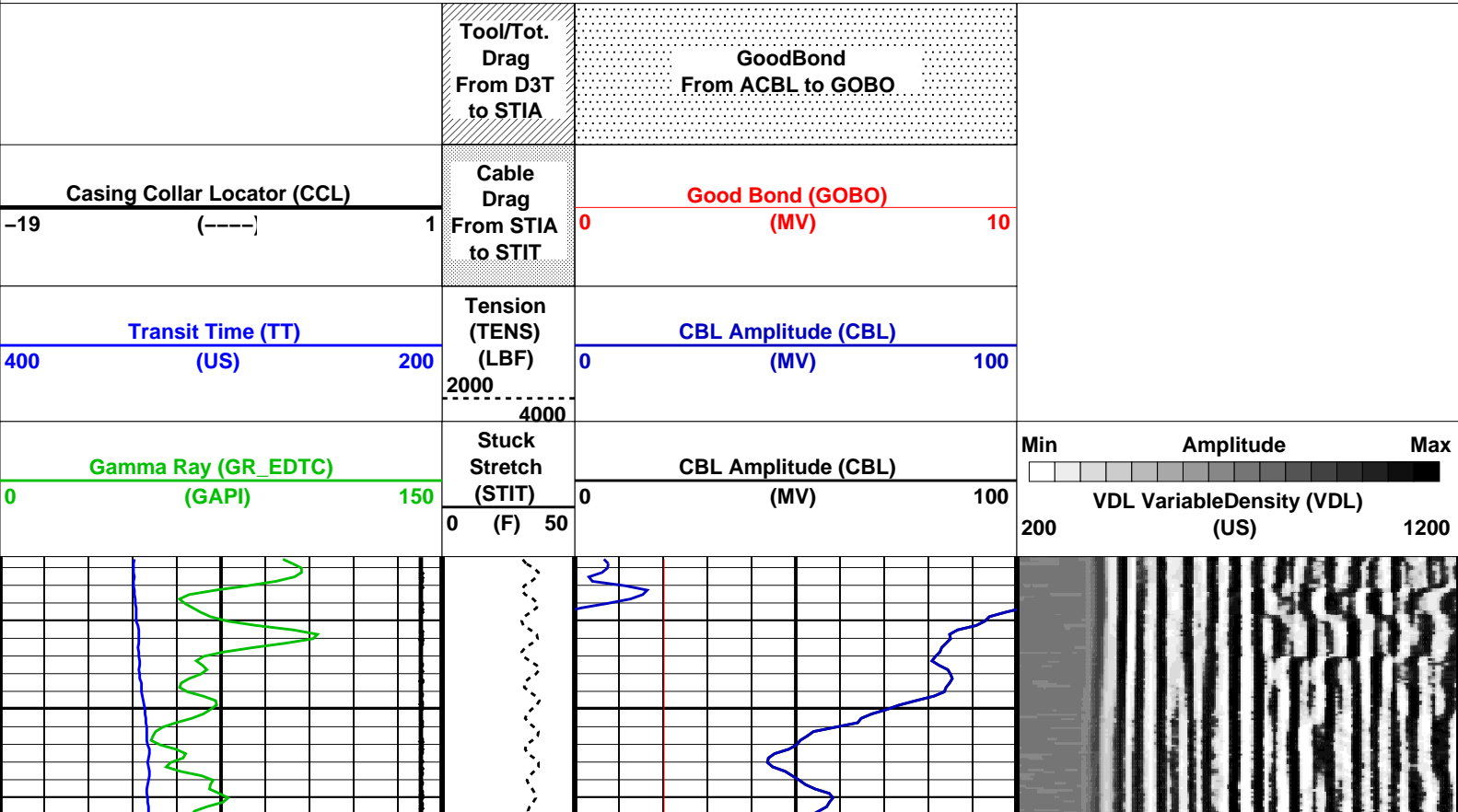
# OP System Version: 17C0-154

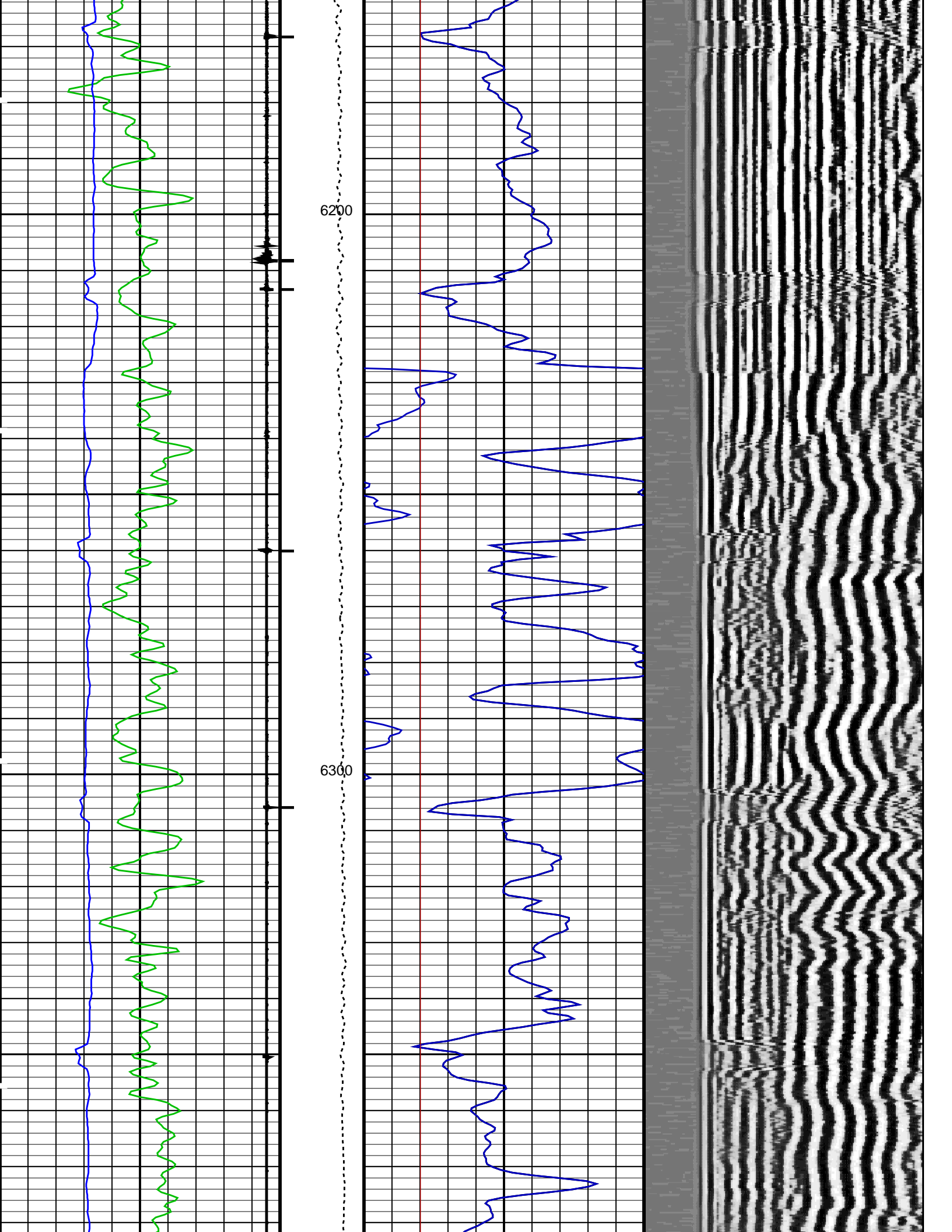
DSLT-FTB      17C0-154      CAL-Y      17C0-154  
EDTC-B      SRPC-3971-Q1\_2010\_OP17

# PIP SUMMARY

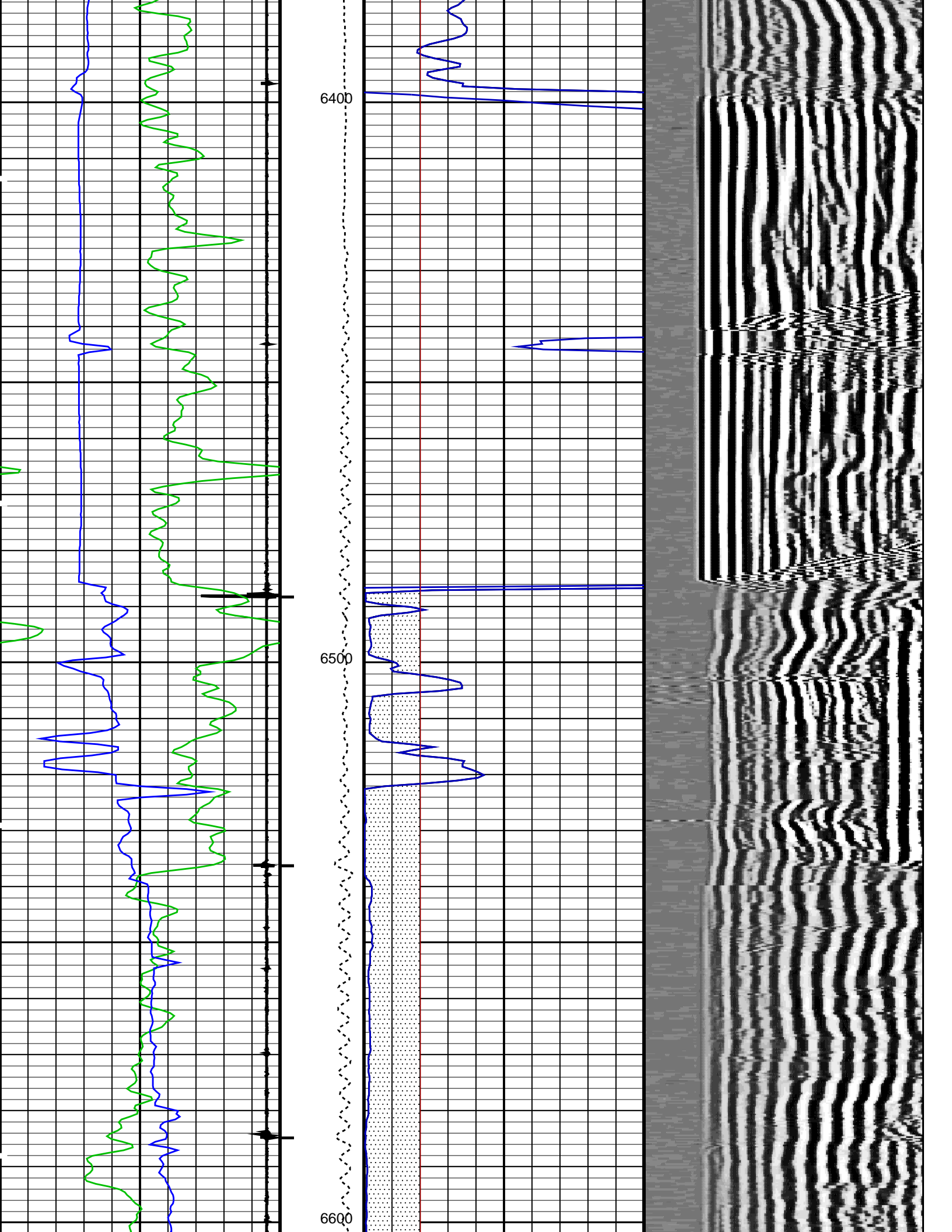
← Casing Collars

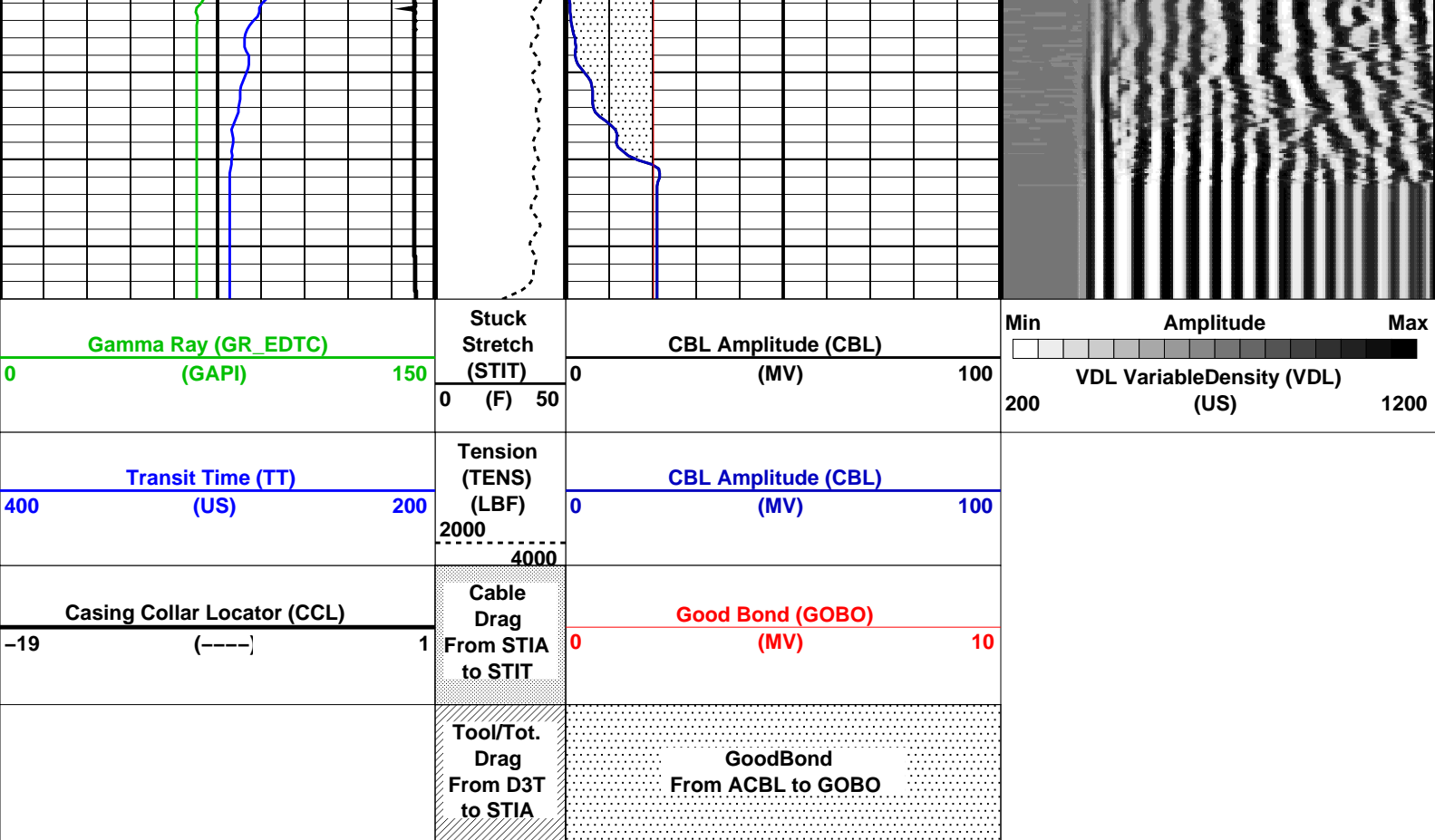
Time Mark Every 60 S











#### PIP SUMMARY

Time Mark Every 60 S

Format: CBL\_VDL Vertical Scale: 5" per 100'

Graphics File Created: 12-Nov-2010 15:06

### OP System Version: 17C0-154

DSLT-FTB 17C0-154  
EDTC-B SRPC-3971-Q1\_2010\_OP17

CAL-Y 17C0-154

#### ### Information for DSLT Sonde Status and Casing Features ###

|  |                  |
|--|------------------|
| Sonde Type   | Not Recorded     |
| Sonde Serial Number                                | Not Recorded (0) |
| Casing Size (CSIZ)                                 | 7.0 IN           |
| Casing Weight (CWEI)                               | 23.0 LB/F        |
| Expected CBL Amplitude in Free Pipe Section (CBRA) | 62.0 MV          |
| Minimum Sonic Amplitude (MSA : 100% Cement)        | 0.847080 MV      |
| Minimum Sonic Amplitude (MSA : 80% Cement)         | 1.99902 MV       |
| Date of Master Calibration                         | Not Recorded     |
| CBL Correction Factor (Master Calibration)         | 2.50000          |
| Depth of Before Calibration (BDEP)                 | Not Recorded     |
| CBL Adjustment Factor (CBAF : Before Calibration)  | 0.762500         |

### Parameters

| DLIS Name                               | Description                           | Value    |      |
|---|---------------------------------------|----------|------|
| DSLT-FTB: Digitizing Sonic Logging Tool |                                       |          |      |
|   | DSLT Firing Mode                      | CBL_W    |      |
|   | Telemetry Mode                        | DSLC_FTB |      |
| AMSG                                    | Auxiliary Minimum Sliding Gate        | 260      | US   |
| CBAF                                    | CBL Adjustment Factor                 | 0.7625   |      |
| CBLG                                    | CBL Gate Width                        | 99       | US   |
| DDEL                                    | Digitizing Delay                      | 0        | US   |
| DRCS                                    | DSLT DLIS Recording Size              | 120      |      |
| DSIN                                    | Digitizing Sample Interval            | 10       |      |
| DTFS                                    | DSLC Telemetry Frame Size             | 236      |      |
| DWCO                                    | Digitizing Word Count                 | 120      |      |
| GAI                                     | Manual Gain                           | 40       |      |
| GOBO                                    | Good Bond                             | 1.99902  | MV   |
| MAHTR                                   | Manual High Threshold Reference       | 1        |      |
| MGAI                                    | Maximum Gain                          | 1000     |      |
| MNHTR                                   | Minimum High Threshold Reference      | 30       |      |
| NMSG                                    | Near Minimum Sliding Gate             | 265      | US   |
| NMXG                                    | Near Maximum Sliding Gate             | 960      | US   |
| RATE                                    | Firing Rate                           | R7       |      |
| SFAF                                    | Sonic Formation Attenuation Factor    | 0        | DB/F |
| SGCL                                    | Sliding Gate Closing Delta-T          | 250      | US/F |
| SGDT                                    | Sliding Gate Delta-T                  | 59       | US/F |
| SGW                                     | Sliding Gate Width                    | 80       | US   |
| SLEV                                    | Signal Level for AGC                  | 5000     |      |
| VDLG                                    | VDL Manual Gain                       | 5        |      |
| WAGC                                    | Waveform AGC Allow/Disallow           | OFF      |      |
| WMOD                                    | Waveform Firing Mode                  | FULL     |      |
| CAL-Y: Casing Anomaly Locator - Y       |                                       |          |      |
| CCLD                                    | CCL reset delay                       | 12       | IN   |
| CCLT                                    | CCL Detection Level                   | 0.3      | V    |
| STI: Stuck Tool Indicator               |                                       |          |      |
| LBFR                                    | Trigger for MAXIS First Reading Label | STI      |      |
| STKT                                    | STI Stuck Threshold                   | 2.5      | FT   |
| TDD                                     | Total Depth - Driller                 | 6923.00  | FT   |
| TDL                                     | Total Depth - Logger                  | 6610.00  | FT   |
| System and Miscellaneous                |                                       |          |      |
| DO                                      | Depth Offset for Playback             | 4.0      | FT   |
| DORL                                    | Depth Offset for Repeat Analysis      | 0.0      | FT   |
| PP                                      | Playback Processing                   | NORMAL   |      |

| Input DLIS Files  |              |      |          |                   |           |           |
|-------------------|--------------|------|----------|-------------------|-----------|-----------|
| DEFAULT           | SONIC_004LUP | FN:3 | PRODUCER | 12-Nov-2010 12:16 | 6632.0 FT | 6128.5 FT |
| Output DLIS Files |              |      |          |                   |           |           |
| DEFAULT           | SONIC_011PUP | FN:8 | PRODUCER | 12-Nov-2010 15:06 |           |           |




CALIBRATIONS




MAXIS Field Log

| Calibration and Check Summary  |         |        |        |       |        |       |       |
|--|---------|--------|--------|-------|--------|-------|-------|
| Measurement  | Nominal | Master | Before | After | Change | Limit | Units |
| Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration |         |        |        |       |        |       |       |
| Before: 12-Nov-2010 11:31  |         |        |        |       |        |       |       |
| EDTC Z-Axis Acceleration   | 32.19   | N/A    | 32.11  | N/A   | N/A    | N/A   | F/S2  |
| Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration           |         |        |        |       |        |       |       |
| Before: 4-Nov-2010 19:45   |         |        |        |       |        |       |       |
| Gamma Ray (Jig – Bkg)  | 153.6   | N/A    | 153.6  | N/A   | N/A    | 13.97 | GAPI  |
| Gamma Ray (Quill – Bkg)  | 153.6   | N/A    | 153.6  | N/A   | N/A    | 15.82 | GAPI  |



|   |       |     |            |     |      |       |      |
|---|-------|-----|------------|-----|------|-------|------|
| Gamma Ray (Calibrated)                            | 160.0 | N/A | 160.0      | N/A | N/A  | 15.00 | GAPI |
|   |       |     |            |     |      |       |      |
| Enhanced DTS Cartridge / Equipment Identification |       |     |            |     |      |       |      |
| Primary Equipment:                                |       |     |            |     |      |       |      |
| EDTC Gamma Ray Detector                           |       |     | EDTG – A/B |     | 8052 |       |      |
| Enhanced DTS Cartridge                            |       |     | EDTC – B   |     | 8052 |       |      |
| Auxiliary Equipment:                              |       |     |            |     |      |       |      |
| EDTC Housing                                      |       |     | EDTH – B   |     | 8052 |       |      |

| Enhanced DTS Cartridge Wellsite Calibration |   |                    |                    |
|---|---|--------------------|--------------------|
| EDTC Accelerometer Calibration              |   |                    |                    |
| Phase                                       | EDTC Z-Axis Acceleration F/S2   |                    | Value              |
| Before                                      |  |                    | 32.11              |
|   | 31.53<br>(Minimum)  | 32.19<br>(Nominal) | 32.84<br>(Maximum) |
| Before: 12-Nov-2010 11:31                   |   |                    |                    |

| Enhanced DTS Cartridge Wellsite Calibration |   |                    |                    |        |   |                    |                    |        |   |                    |                    |
|---|---|--------------------|--------------------|--------|---|--------------------|--------------------|--------|---|--------------------|--------------------|
| Detector Calibration                        |   |                    |                    |        |   |                    |                    |        |   |                    |                    |
| Phase                                       | Gamma Ray Background GAPI   |                    | Value              | Phase  | Gamma Ray (Jig – Bkg) GAPI  |                    | Value              | Phase  | Gamma Ray (Calibrated) GAPI   |                    | Value              |
| Before                                      |  |                    | 29.90              | Before |  |                    | 153.6              | Before |  |                    | 160.0              |
|   | 0<br>(Minimum)  | 30.00<br>(Nominal) | 120.0<br>(Maximum) |        | 139.7<br>(Minimum)  | 153.6<br>(Nominal) | 167.6<br>(Maximum) |        | 145.0<br>(Minimum)  | 160.0<br>(Nominal) | 175.0<br>(Maximum) |
| Before: 4-Nov-2010 19:45                    |   |                    |                    |        |   |                    |                    |        |   |                    |                    |

|                       |                       |              |
|-----------------------|-----------------------|--------------|
| Company:              | Chevron North America | Schlumberger |
| Well:                 | Beezley 5X22          |              |
| Field:                | Rangely               |              |
| County:               | Rio Blanco            |              |
| State:                | Colorado              |              |
| CEMENT EVALUATION LOG |                       |              |
| GAMMA RAY             |                       |              |
| CASING COLLAR LOCATOR |                       |              |