



Location: API #: 1500926393

1310' FSL & 1760' FEL

SEC 6 TWP 16S RGE 13W

| Permanent Datum<br>Log Measured From | GROUND LEVEL Elevation<br>KB 8' AGL | 1918 |
|--------------------------------------|-------------------------------------|------|
|--------------------------------------|-------------------------------------|------|

| Elevation |      |
|-----------|------|
| K.B.      | 1926 |
| D.F.      | 1925 |
| G.L.      | 1918 |

|      |        |
|------|--------|
| Date | 5/8/23 |
|------|--------|

|            |     |
|------------|-----|
| Bin Number | ONE |
|------------|-----|

[illegible]

|                        |      |
|------------------------|------|
| Bottom Logged Interval | 3398 |
|------------------------|------|

Open Hole Size 7 5/8"

Density / Viscosity 

|                      |       |
|----------------------|-------|
| Estimated Cement Ton | 23921 |
|----------------------|-------|

|                       |          |
|-----------------------|----------|
| Time from today       | 10:10 AM |
| Time at server Bottom | 11:20 AM |

| Equipment Number | 1-110 |
|------------------|-------|
|                  |       |

Recorded By **DANNY LE**

|              |           |
|--------------|-----------|
| Willemsen by | DALE WINN |
|--------------|-----------|

| Run Number | Bit | From |
|------------|-----|------|
|            |     | 10   |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

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|                |        |
|----------------|--------|
| Surface String | 8 5/8" |
|----------------|--------|

|                   |     |  |
|-------------------|-----|--|
| Production String | 55" |  |
|-------------------|-----|--|

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

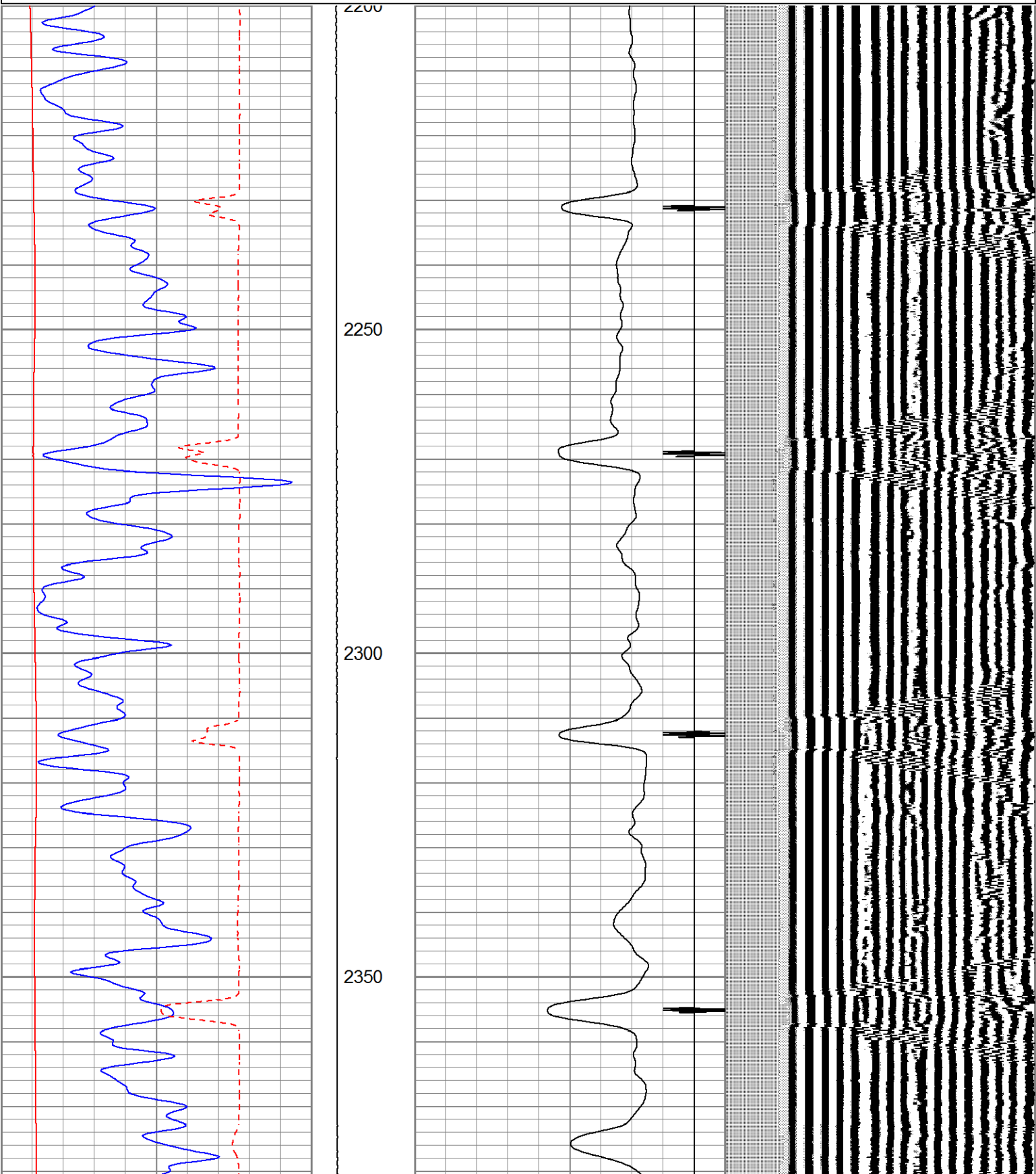
Comments

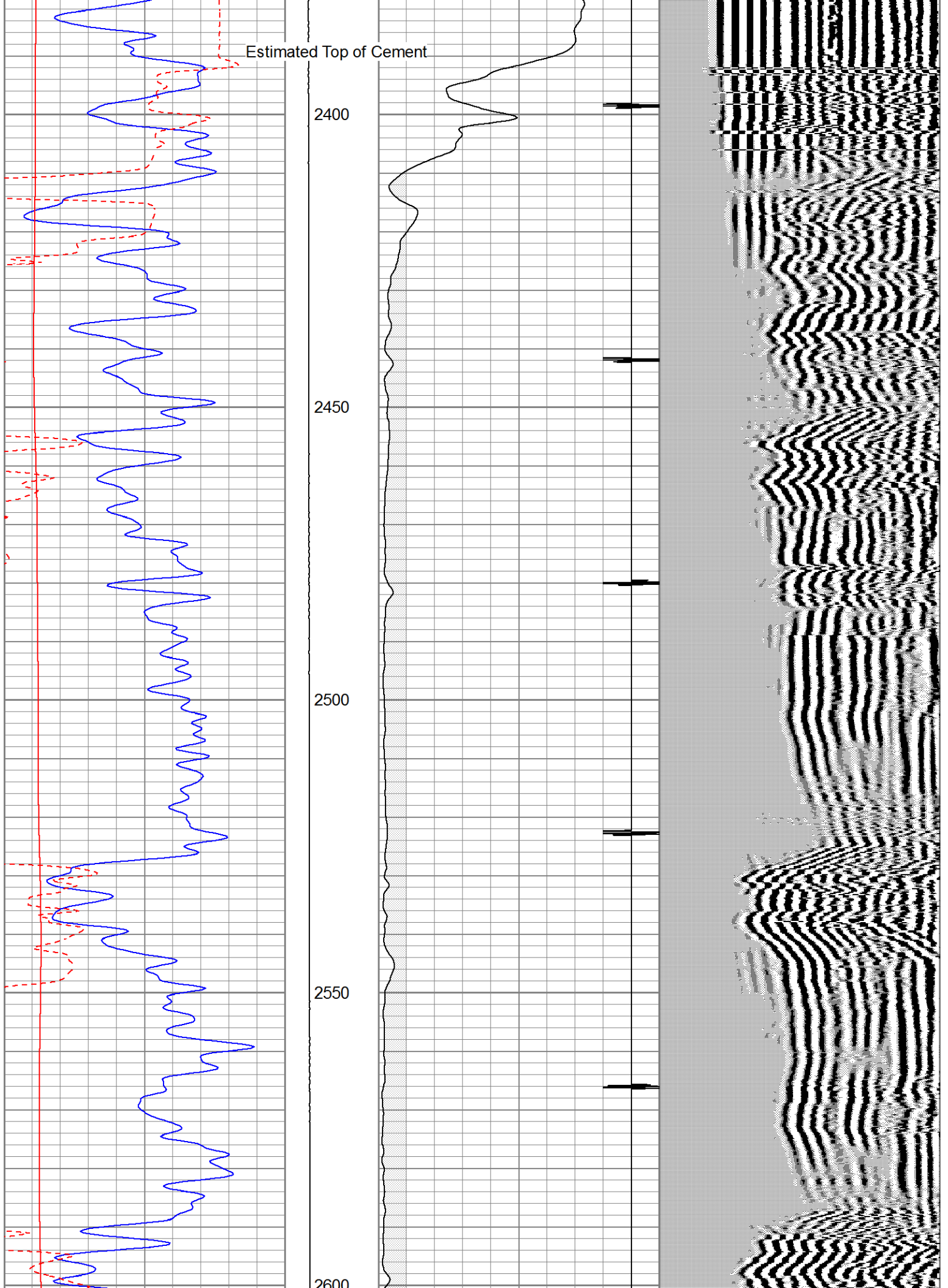
RUSSELL SOUTH 13 MILES TO NW220 RD, EAST 2.75 MILES  
NORTH INTO

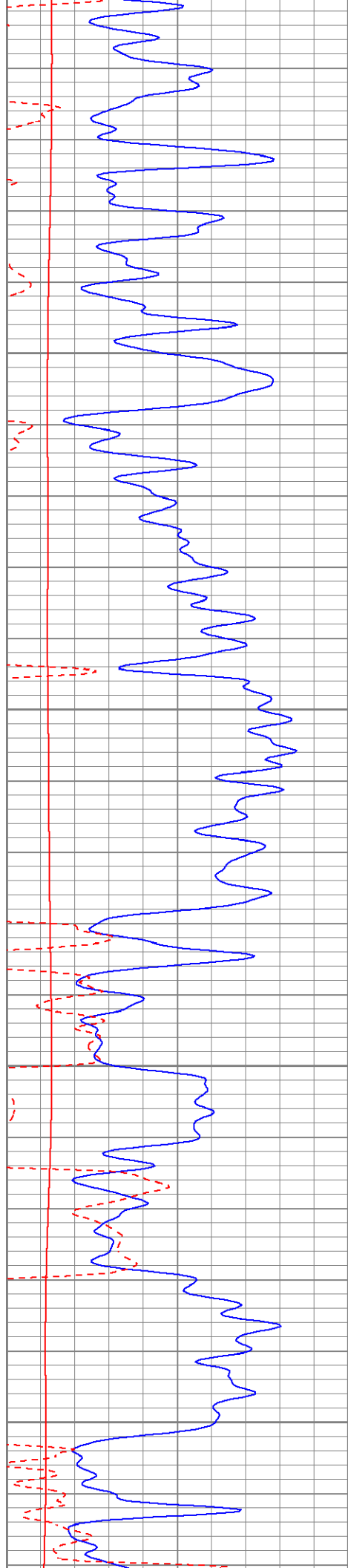


|                     |                            |
|---------------------|----------------------------|
| Database File       | pattersonenergybitter2.db  |
| Dataset Pathname    | pass4                      |
| Presentation Format | cblsec                     |
| Dataset Creation    | Mon May 08 11:39:24 2023   |
| Charted by          | Depth in Feet scaled 1:240 |

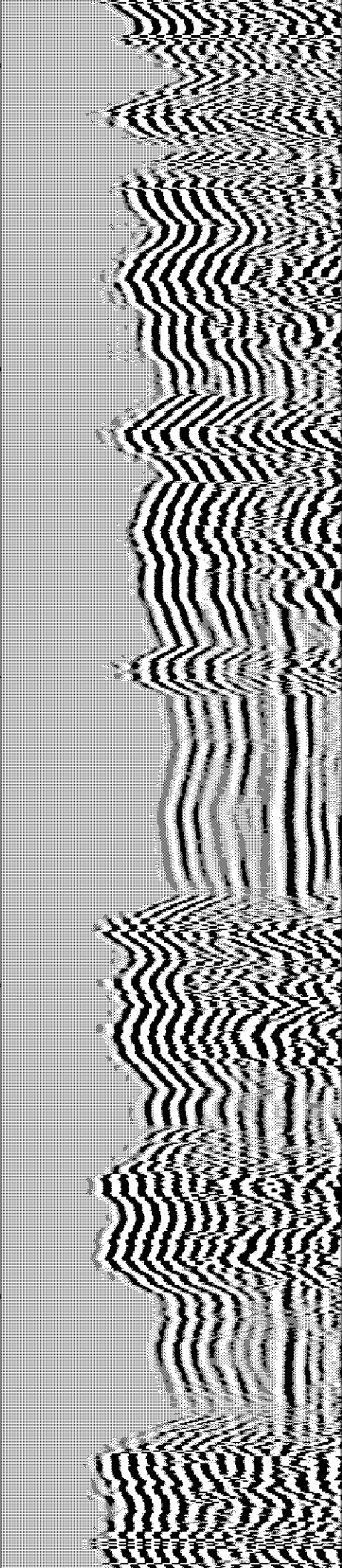
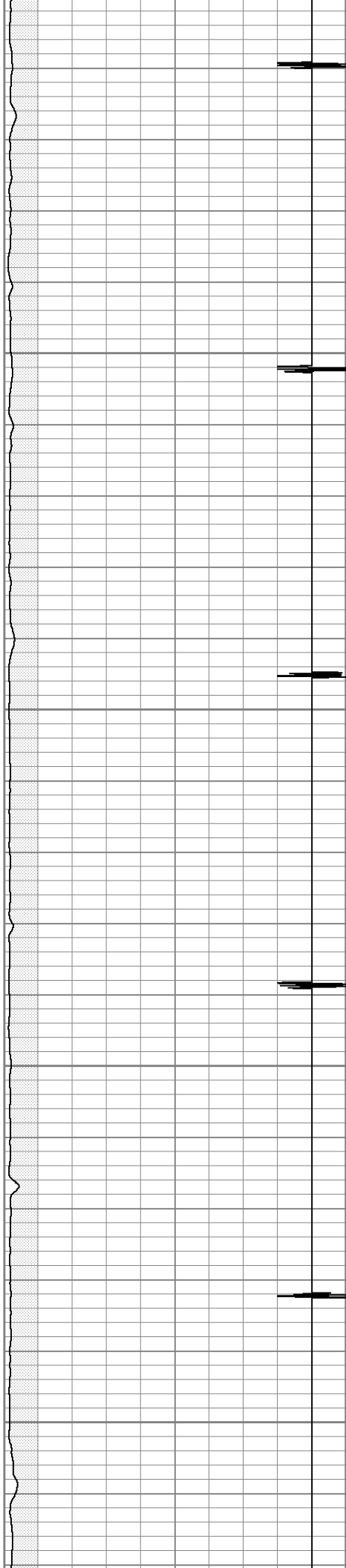
|     |            |     |              |      |           |     |     |            |      |
|-----|------------|-----|--------------|------|-----------|-----|-----|------------|------|
| 0   | GR (GAPI)  | 150 | LTEN<br>(lb) | 18   | CCL       | -2  | 200 | VDL (usec) | 1200 |
| 150 | GR (GAPI)  | 300 |              | 0    | AMP3 (mV) | 100 |     |            |      |
| 450 | TT3 (usec) | 250 |              | -100 | 2100      |     |     |            |      |
| 0   | DEVI (deg) | 10  |              |      |           |     |     |            |      |

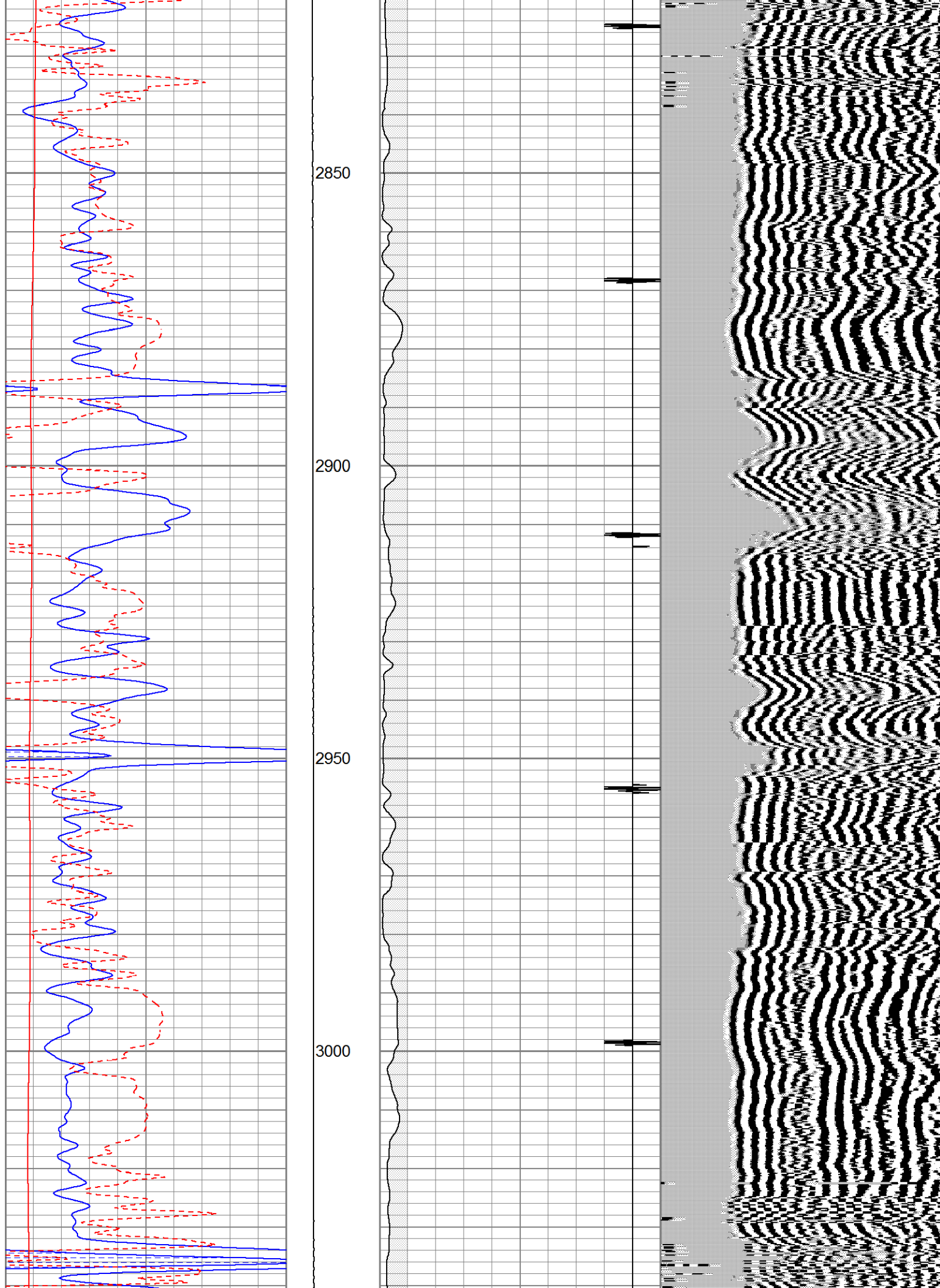


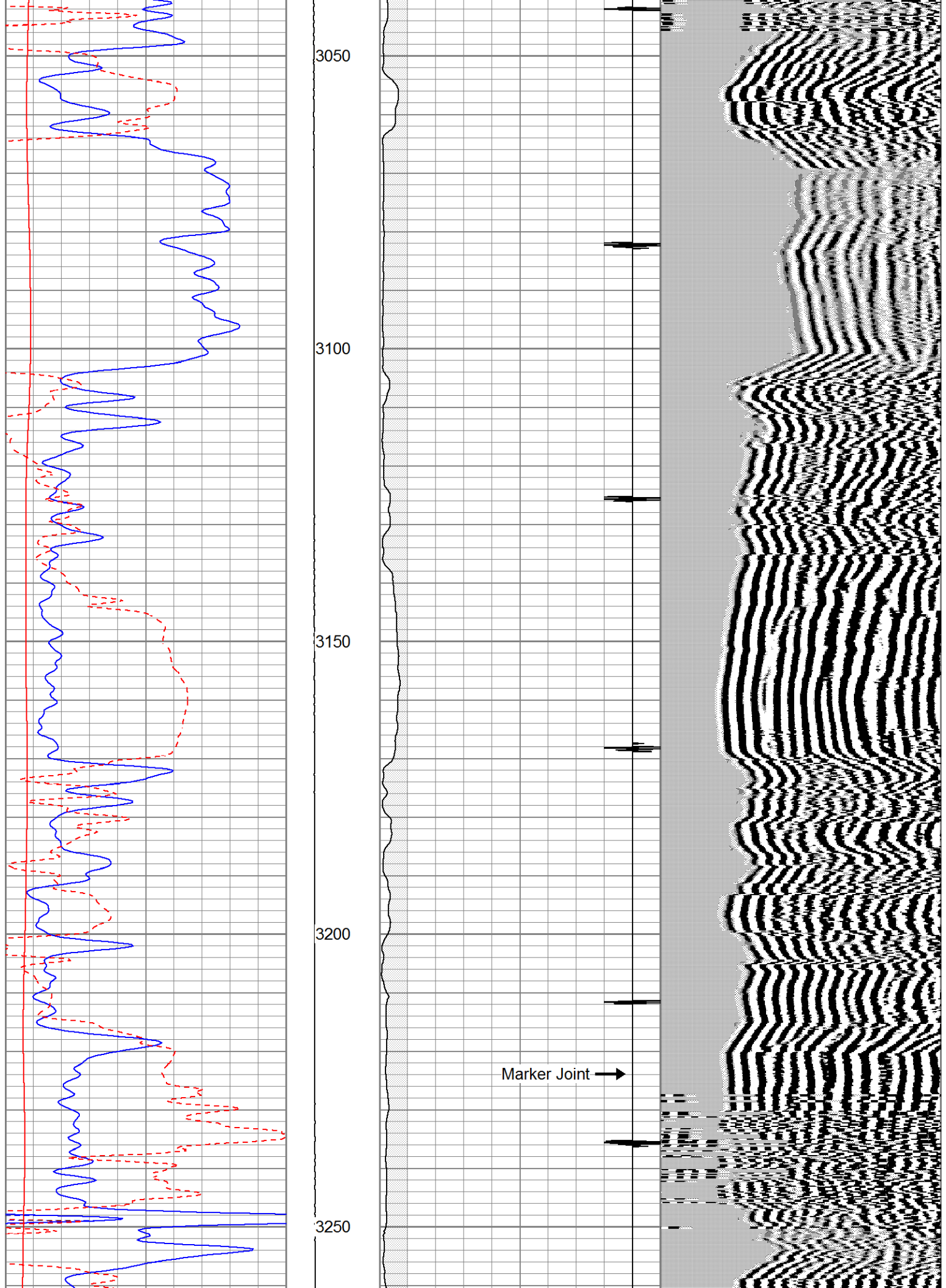


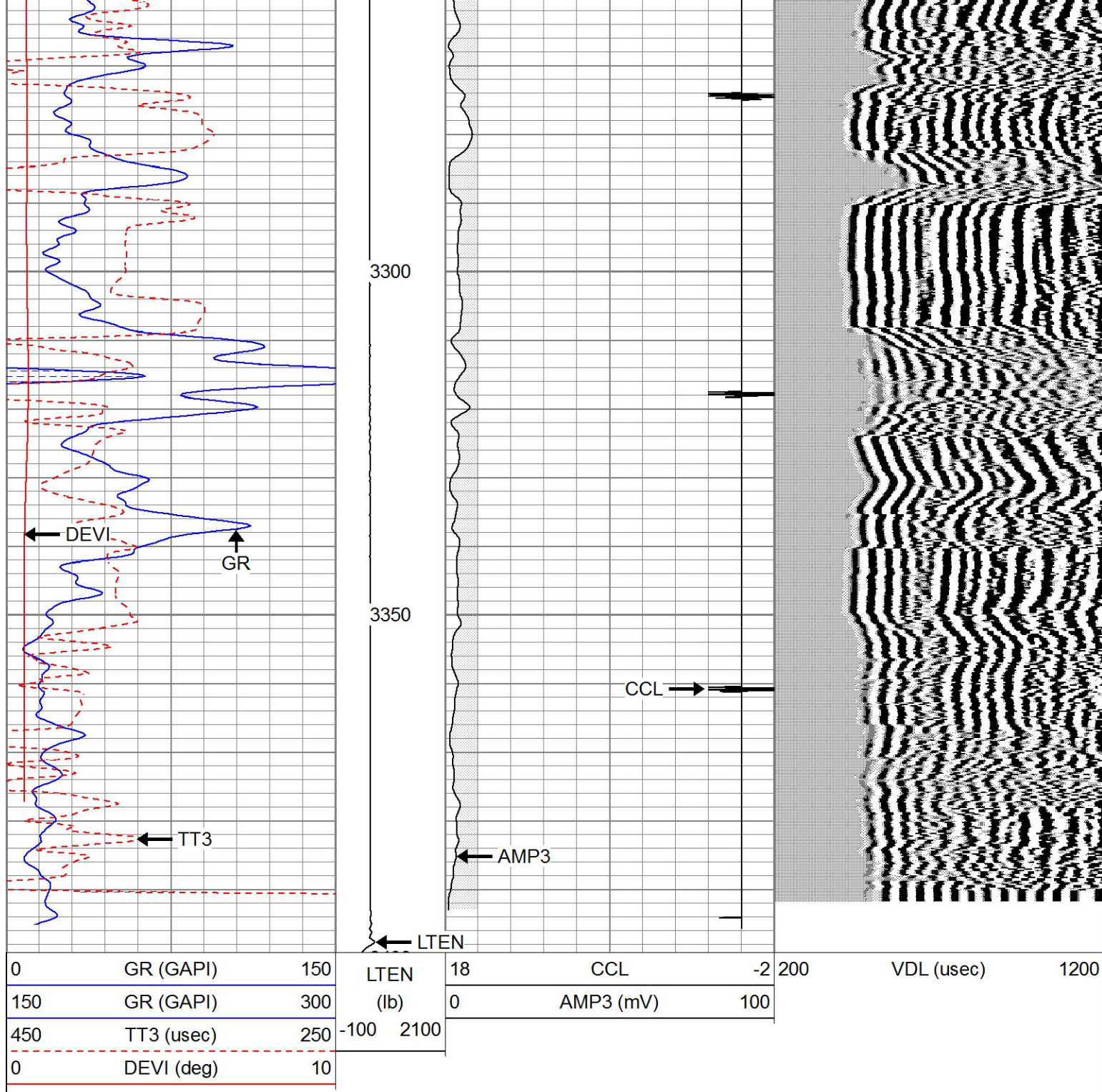


2600  
2650  
2700  
2750  
2800





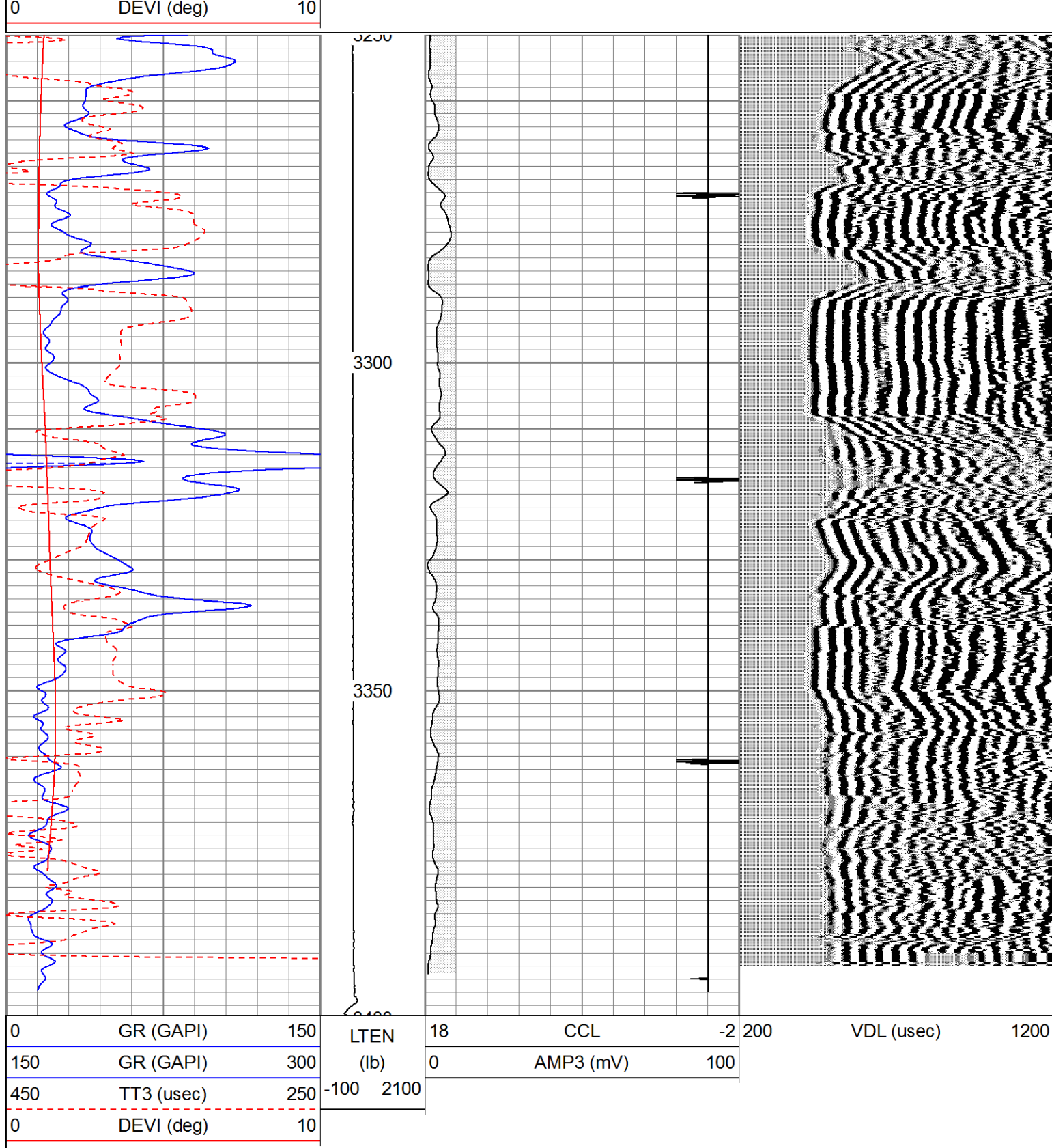




# REPEAT SECTION

Database File: pattersonenergybitter2.db  
 Dataset Pathname: pass3.1  
 Presentation Format: cblsec  
 Dataset Creation: Mon May 08 12:00:52 2023  
 Charted by: Depth in Feet scaled 1:240

|     |            |     |           |    |           |     |     |            |      |
|-----|------------|-----|-----------|----|-----------|-----|-----|------------|------|
| 0   | GR (GAPI)  | 150 | LTEN      | 18 | CCL       | -2  | 200 | VDL (usec) | 1200 |
| 150 | GR (GAPI)  | 300 | (lb)      | 0  | AMP3 (mV) | 100 |     |            |      |
| 450 | TT3 (usec) | 250 | -100 2100 |    |           |     |     |            |      |



### Calibration Report

Database File pattersonenergybitter2.db  
Dataset Pathname pass4  
Dataset Creation Mon May 08 11:39:24 2023

### Gamma Ray Calibration Report

Serial Number: 080616  
Tool Model: 275D\_INC  
Performed: Sat Apr 22 13:20:36 2017

Calibrator Value: 1.0 GAPI

|                     |        |          |
|---------------------|--------|----------|
| Calibrator Value:   | 1.0    | GAPI     |
| Background Reading: | 0.0    | cps      |
| Calibrator Reading: | 1.0    | cps      |
| Sensitivity:        | 1.6000 | GAPI/cps |

| Inclinometer Calibration Report |                          |            |          |           |     |
|---------------------------------|--------------------------|------------|----------|-----------|-----|
| Performed:                      | Mon Feb 22 09:45:37 2016 |            |          |           |     |
|                                 | Low Read.                | High Read. | Low Ref. | High Ref. |     |
| X Accelerometer                 | -3560.40                 | 3602.00    | -1.00    | 1.00      | gee |
| Y Accelerometer                 | -3645.40                 | 3546.20    | -1.00    | 1.00      | gee |
| Z Accelerometer                 | 6.60                     | 3581.20    | 0.00     | 1.00      | gee |

| Segmented Cement Bond Log Calibration Report |          |    |  |  |  |
|----------------------------------------------|----------|----|--|--|--|
| Serial Number:                               | 080321   |    |  |  |  |
| Tool Model:                                  | Probe    |    |  |  |  |
| Calibration Casing Diameter:                 | 5.500    | in |  |  |  |
| Calibration Depth:                           | 2213.600 | ft |  |  |  |

| Master Calibration, performed Mon May 08 11:23:13 2023: |         |       |                 |        |         |        |
|---------------------------------------------------------|---------|-------|-----------------|--------|---------|--------|
|                                                         | Raw (v) |       | Calibrated (mv) |        | Results |        |
|                                                         | Zero    | Cal   | Zero            | Cal    | Gain    | Offset |
| 3'                                                      | 0.001   | 1.025 | 1.000           | 71.921 | 69.294  | 0.897  |
| CAL                                                     | 0.001   | 1.409 |                 |        |         |        |
| 5'                                                      | 0.001   | 0.991 | 1.000           | 71.921 | 71.652  | 0.895  |
| SUM                                                     |         |       |                 |        |         |        |
| S1                                                      | 0.001   | 1.298 | 0.000           | 72.000 | 55.527  | -0.069 |
| S2                                                      | 0.001   | 1.227 | 0.000           | 72.000 | 58.748  | -0.082 |
| S3                                                      | 0.001   | 1.091 | 0.000           | 72.000 | 66.062  | -0.088 |
| S4                                                      | 0.001   | 1.013 | 0.000           | 72.000 | 71.157  | -0.092 |
| S5                                                      | 0.001   | 0.967 | 0.000           | 72.000 | 74.593  | -0.111 |
| S6                                                      | 0.002   | 0.895 | 0.000           | 72.000 | 80.556  | -0.126 |
| S7                                                      | 0.001   | 0.892 | 0.000           | 72.000 | 80.831  | -0.115 |
| S8                                                      | 0.001   | 1.104 | 0.000           | 72.000 | 65.316  | -0.095 |

| Internal Reference Calibration, performed Mon May 16 08:48:47 2022: |         |       |                |       |         |        |
|---------------------------------------------------------------------|---------|-------|----------------|-------|---------|--------|
|                                                                     | Raw (v) |       | Calibrated (v) |       | Results |        |
|                                                                     | Zero    | Cal   | Zero           | Cal   | Gain    | Offset |
| CAL                                                                 | 0.000   | 0.000 | 0.001          | 1.409 | 1.000   | 0.000  |

| Air Zero Calibration, performed Mon May 08 11:23:31 2023: |         |       |         |
|-----------------------------------------------------------|---------|-------|---------|
|                                                           | Raw (v) |       | Results |
|                                                           | Zero    | Zero  | Offset  |
| 3'                                                        | 0.002   | 0.000 | -0.000  |
| 5'                                                        | 0.001   | 0.000 | 0.000   |

|     |       |       |        |  |
|-----|-------|-------|--------|--|
| SUM |       |       |        |  |
| S1  | 0.001 | 0.000 | -0.000 |  |
| S2  | 0.001 | 0.000 | -0.000 |  |
| S3  | 0.001 | 0.000 | -0.000 |  |
| S4  | 0.001 | 0.000 | 0.000  |  |
| S5  | 0.001 | 0.000 | 0.000  |  |
| S6  | 0.001 | 0.000 | 0.000  |  |
| S7  | 0.001 | 0.000 | 0.000  |  |
| S8  | 0.002 | 0.000 | -0.000 |  |

| Sensor   | Offset (ft) | Schematic                                                                          | Description                                                                         | Length (ft) | O.D. (in) | Weight (lb) |
|----------|-------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|-----------|-------------|
| WVFS8    | 8.69        |  | CHD-sdschd                                                                          | 0.75        | 1.44      | 3.00        |
| WVFS7    | 8.69        |                                                                                    |                                                                                     |             |           |             |
| WVFS6    | 8.69        |                                                                                    |                                                                                     |             |           |             |
| WVFS5    | 8.69        |                                                                                    |                                                                                     |             |           |             |
| WVFS4    | 8.69        |                                                                                    |                                                                                     |             |           |             |
| WVFS3    | 8.69        |                                                                                    |                                                                                     |             |           |             |
| WVFS2    | 8.69        |                                                                                    |                                                                                     |             |           |             |
| WVFS1    | 8.69        |                                                                                    |                                                                                     |             |           |             |
| WVFCAL   | 8.69        |                                                                                    |                                                                                     |             |           |             |
| WVF3FT   | 8.69        |                                                                                    |                                                                                     |             |           |             |
| WVF5FT   | 7.69        |                                                                                    |                                                                                     |             |           |             |
| HEADVOLT | 4.50        |                                                                                    |                                                                                     |             |           |             |
| CCL      | 3.50        |                                                                                    |                                                                                     |             |           |             |
| ACCZ     | 1.83        |                                                                                    |                                                                                     |             |           |             |
| ACCY     | 1.83        |                                                                                    |                                                                                     |             |           |             |
| ACCX     | 1.83        | Dataset:<br>Total length:<br>Total weight:<br>O.D.:                                | pattersonenergybitter2.db: field/well/run1/pass4<br>13.58 ft<br>93.00 lb<br>2.75 in |             |           |             |
| GR       | 0.83        |                                                                                    |                                                                                     |             |           |             |