

Company: University Of Utah

Well: FORGE 78B-32

Field: None

County: Beaver State: Utah

Platform Express

Compensated Neutron

Litho-Density

County: Beaver  
Field: None  
Location: Lat: 38.500171, Long: -112.88221  
Well: FORGE 78B-32  
Company: University Of Utah

|                         |                    |                                  |   |
|-------------------------|--------------------|----------------------------------|---|
| Location:               |                    | Lat: 38.500171, Long: -112.88221 | Elev.: K.B. 5565.50 ft<br>G.L. 5536.00 ft<br>D.F. |
| Permanent Datum:        | Ground Level       |                                  | 5536.00 f   |
| Log Measured From:      | Kelly Bushing      |                                  | 29.50 ft above Perm.Datum                         |
| Drilling Measured From: | Kelly Bushing      |                                  |   |
| API Serial No.          | Max.Hole Deviation | Longitude:                       | Latitude:   |
| NRC 42-00090-03         | 0 deg              | -112.88221 degrees               | 38.500171 degrees                                 |

|              |             |
|--------------|-------------|
| Logging Date | 19-Jul-2021 |
|--------------|-------------|

|            |    |
|------------|----|
| Run Number | 2A |
|------------|----|

|               |            |
|---------------|------------|
| Depth Driller | 8540.00 ft |
|---------------|------------|

|                    |            |
|--------------------|------------|
| Schlumberger Depth | 8540.00 ft |
|--------------------|------------|

|                     |            |
|---------------------|------------|
| Bottom Log Interval | 8540.00 ft |
|---------------------|------------|

|                  |            |
|------------------|------------|
| Top Log Interval | 2988.00 ft |
|------------------|------------|

|                             |                       |
|-----------------------------|-----------------------|
| Casing Driller Size @ Depth | 11.75 in @ 2989.00 ft |
|-----------------------------|-----------------------|

|                     |         |
|---------------------|---------|
| Casing Schlumberger | 2988 ft |
|---------------------|---------|

|          |         |
|----------|---------|
| Bit Size | 8.75 in |
|----------|---------|

|                    |       |
|--------------------|-------|
| Type Fluid In Hole | Water |
|--------------------|-------|

|         |             |
|---------|-------------|
| Density | 8.3 lbm/gal |
|---------|-------------|

|            |    |
|------------|----|
| Fluid Loss | PH |
|------------|----|

|     |             |
|-----|-------------|
| MUD | Active Tank |
|-----|-------------|

|                |                      |
|----------------|----------------------|
| RM @ Meas Temp | 2.84 ohm.m @ 95 degF |
|----------------|----------------------|

|                 |                      |
|-----------------|----------------------|
| RMF @ Meas Temp | 2.13 ohm.m @ 95 degF |
|-----------------|----------------------|

|                 |                      |
|-----------------|----------------------|
| RMC @ Meas Temp | 4.26 ohm.m @ 95 degF |
|-----------------|----------------------|

|            |            |
|------------|------------|
| Source RMF | Calculated |
|------------|------------|

|          |                           |
|----------|---------------------------|
| RM @ BHT | 0.8 @ 353.72 0.6 @ 353.72 |
|----------|---------------------------|

|                           |             |
|---------------------------|-------------|
| Max Recorded Temperatures | 354.56 degF |
|---------------------------|-------------|

|                     |                      |
|---------------------|----------------------|
| Circulation Stopped | 19-Jul-2021 03:00:00 |
|---------------------|----------------------|

|                  |                      |
|------------------|----------------------|
| Logger on Bottom | 19-Jul-2021 15:16:00 |
|------------------|----------------------|

|             |      |
|-------------|------|
| Unit Number | 9108 |
|-------------|------|

|             |                           |
|-------------|---------------------------|
| Recorded By | T.Mozena/C.Stiles/I.Nasir |
|-------------|---------------------------|

|              |              |
|--------------|--------------|
| Witnessed By | Virgil Welch |
|--------------|--------------|

Disclaimer

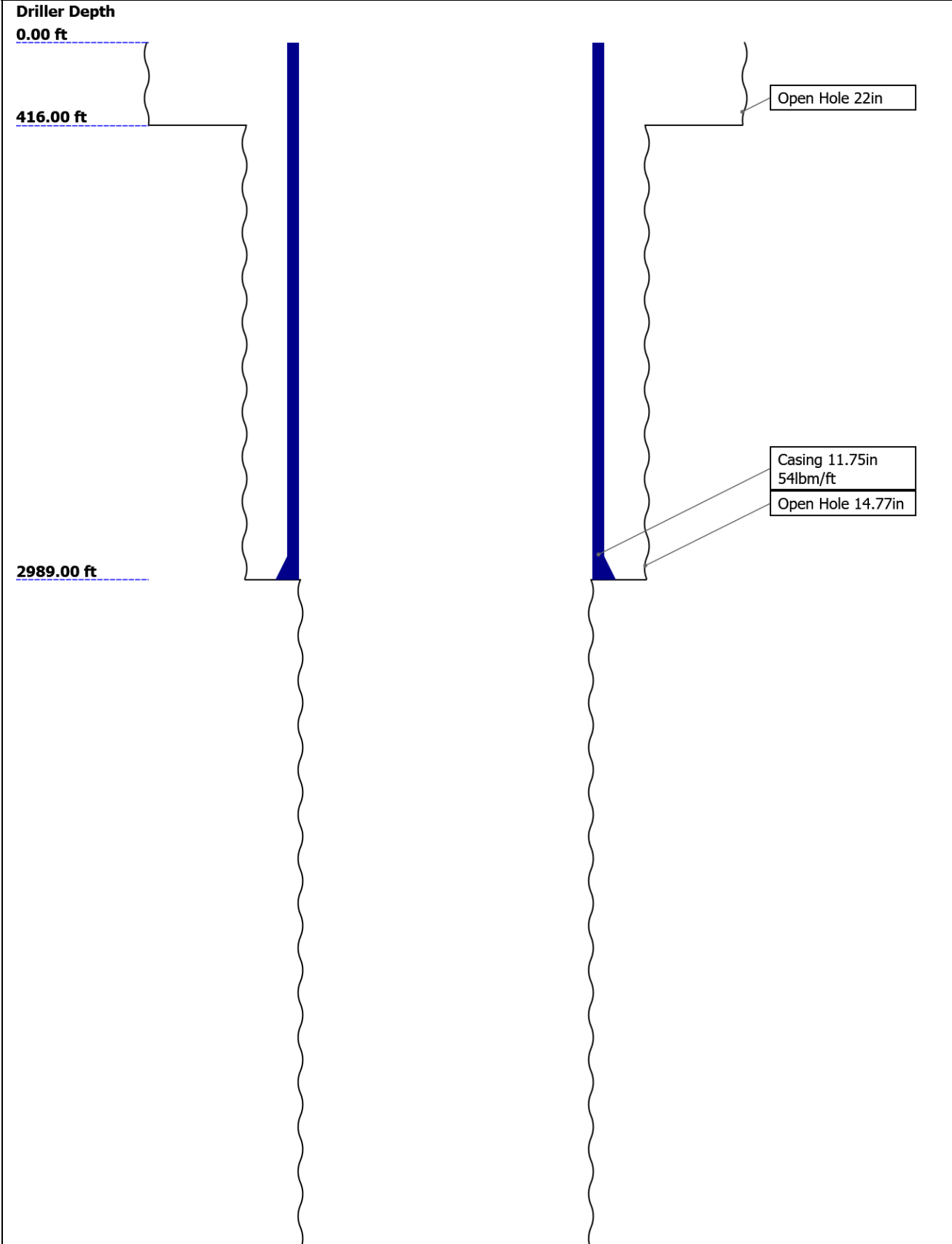
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE 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.

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Well Sketch



8514.00 ft

8540.00 ft

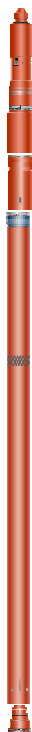
Open Hole 10.625in

Open Hole 8.75in

Borehole Size/Casing/Tubing Record

|                       |       |       |        |      |  |  |
|-----------------------|-------|-------|--------|------|--|--|
| Bit                   |       |       |        |      |  |  |
| Bit Size ( in )       | 22    | 14.77 | 10.625 | 8.75 |  |  |
| Top Driller ( ft )    | 0     | 416   | 2989   | 8514 |  |  |
| Top Logger ( ft )     | 0     | 416   | 2989   | 8514 |  |  |
| Bottom Driller ( ft ) | 416   | 2989  | 8514   | 8540 |  |  |
| Bottom Logger ( ft )  | 416   | 2989  | 8514   | 8540 |  |  |
| Casing                |       |       |        |      |  |  |
| Size ( in )           | 11.75 |       |        |      |  |  |
| Weight ( lbm/ft )     | 54    |       |        |      |  |  |
| Inner Diameter ( in ) | 10.88 |       |        |      |  |  |
| Grade                 | N/A   |       |        |      |  |  |
| Top Driller ( ft )    | 0     |       |        |      |  |  |
| Top Logger ( ft )     | 0     |       |        |      |  |  |
| Bottom Driller ( ft ) | 2989  |       |        |      |  |  |
| Bottom Logger ( ft )  | 2988  |       |        |      |  |  |

Remarks and Equipment Summary

| 2A: Toolstring  |                                 |  |  | 2A: Remarks                                 |  |
|---|---------------------------------|--|--|---|--|
| <div><div><div>Equip name</div><div>Length</div></div><div>LEH-MT</div><div>91.28</div><div>LEH-MT</div></div> <div><div><div>AH-234[2</div><div>]</div></div><div>88.13</div></div> <div><div><div>QTGC-B</div><div>UDFH-PL</div><div>STGC-GR</div><div>STGC-ACC</div><div>Z:7</div><div>STGC-B:81</div><div>21</div></div><div>86.94</div></div> <div><div><div>QILE-A</div><div>76.27</div></div></div> <div></div> | Tool was run as per tool sketch |  |  | All logging intervals as per client request |  |
|   |                                 |  |  |   |  |
|   |                                 |  |  |   |  |

QCNT 68.62  
UDFH-PAT  
NPV-S  
NSR-L:4545  
QCNC-A:2

CNTM 62.66

CNL Porosity 59.26

AH-233 56.71

LDSC-B:51 55.47  
3  
LDSC-A:40  
5  
LDSC-B:513

Tel Status 53.72

H LDS-D:6 51.97  
5  
HEH-H:91  
HLDV-D:96  
90  
H LDS-D:65  
H LDP-C:93  
GGLS-EZ:3  
535

Tel Status 38.66  
Caliper 38.66  
Density 38.66

AH-234[1] 36.16  
]

AH-238[2] 34.97  
]

AH-238[1] 32.97  
]

QAIT-A:4 30.97

UDFH-PLB  
SAIC-A:94  
QAIS-A:43  
AQRM



Lengths are in ft

Maximum Outer Diameter = Head

Line: Sensor Location, Value: Gain Offset

All measurements are relative to TOOL\_ZERO

## Depth Summary

2A

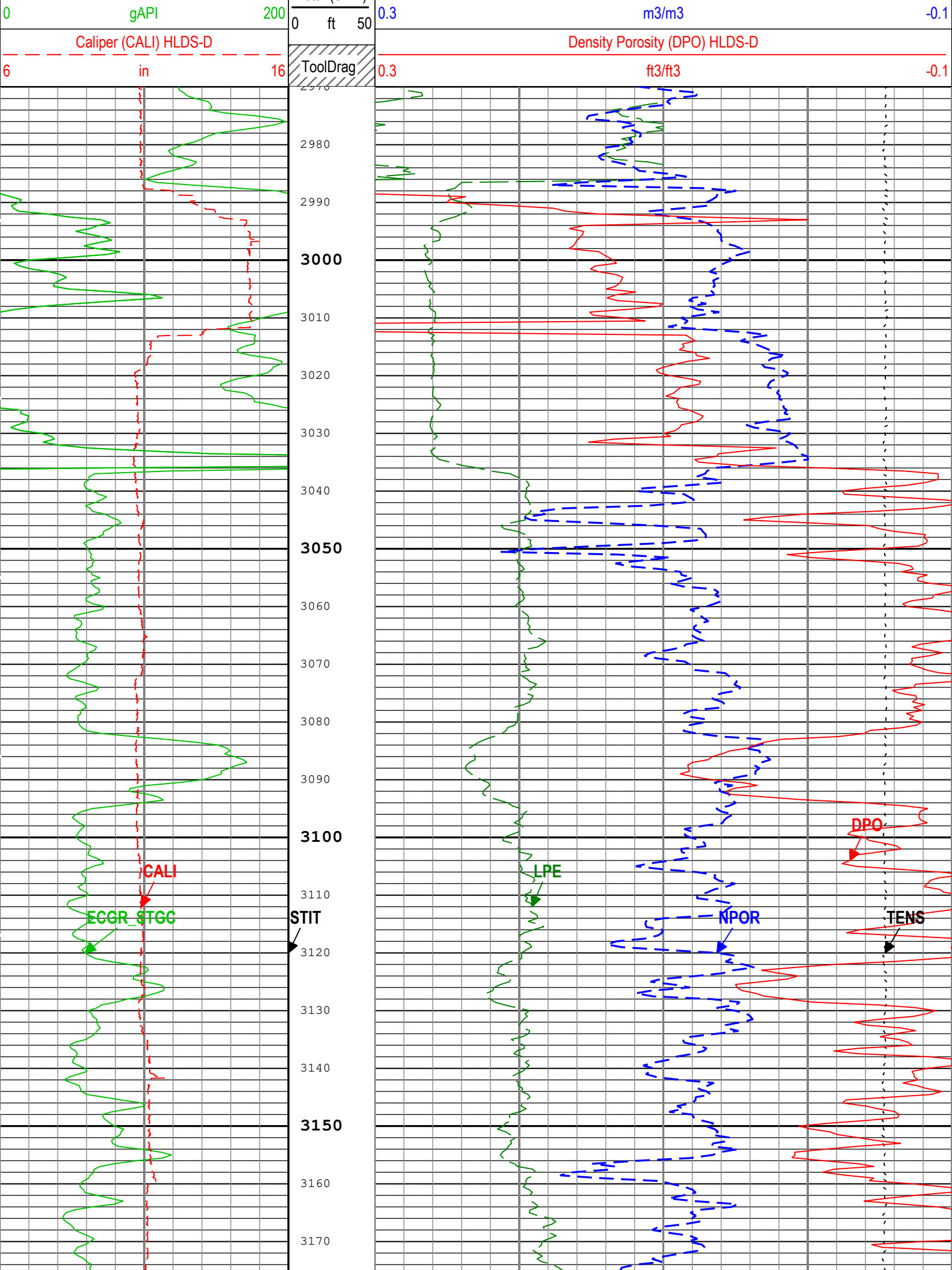
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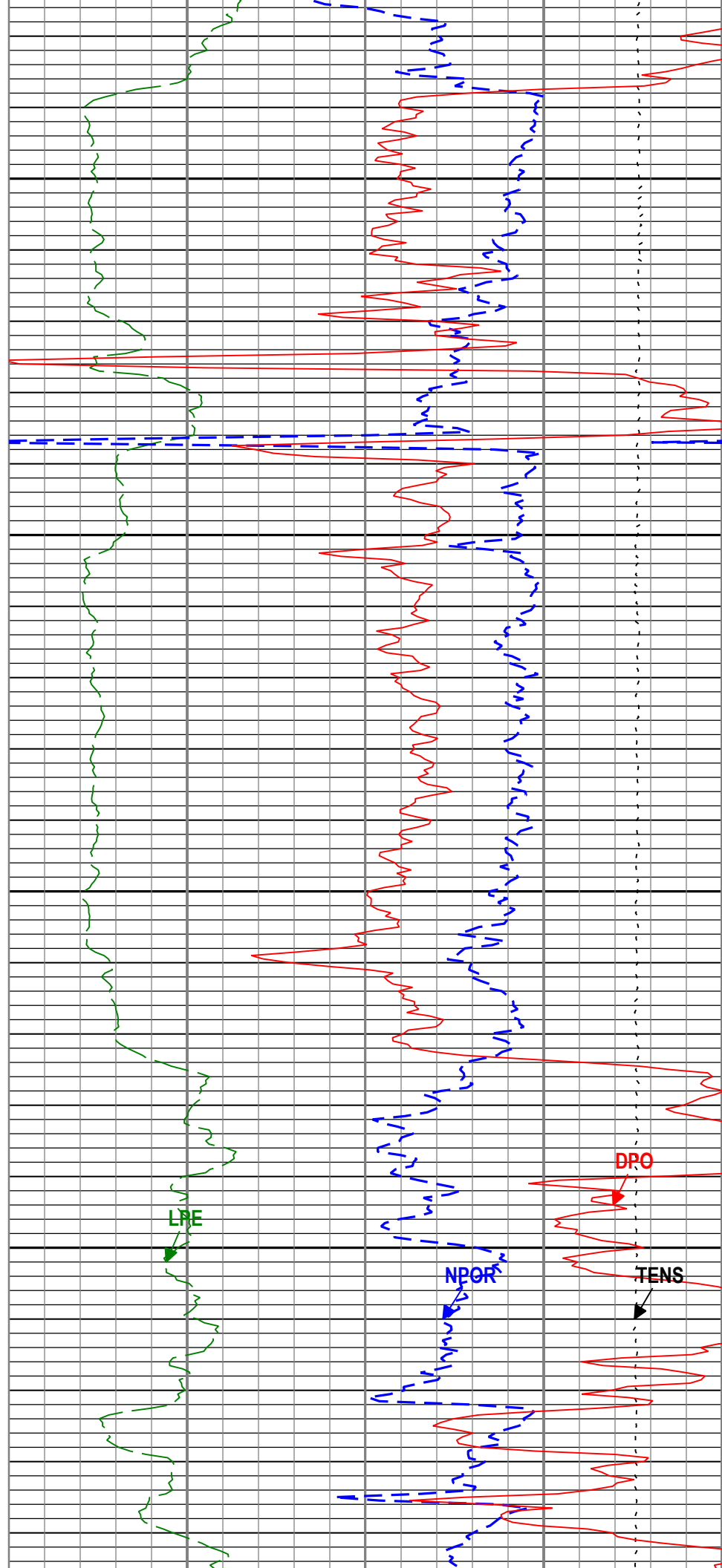
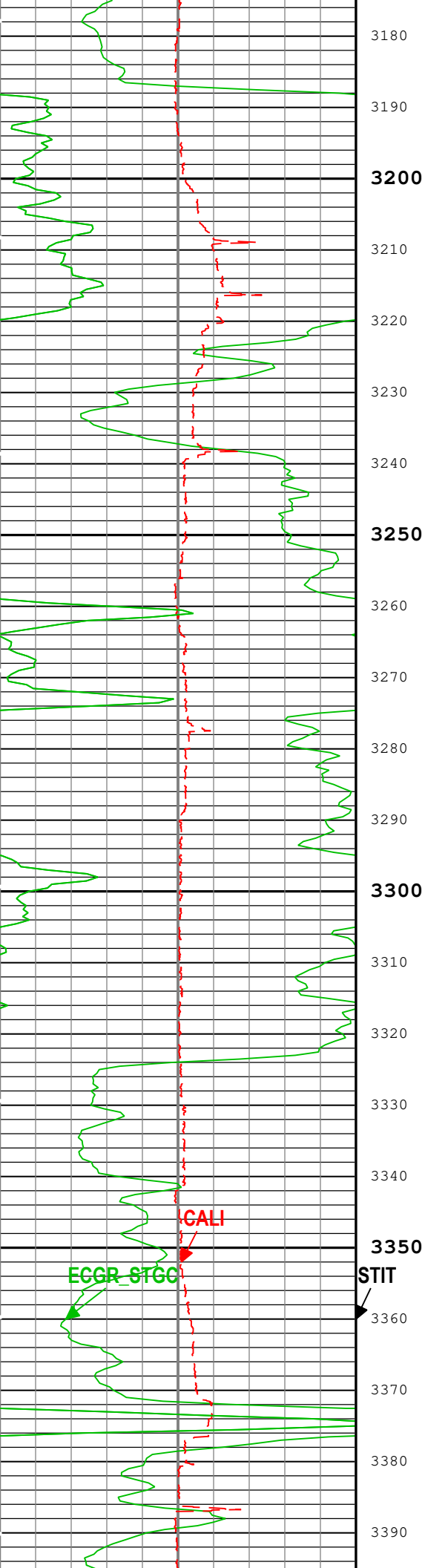
|                          |             |
|--------------------------|-------------|
| Type                     | IDW-JA      |
| Serial Number            | 6160        |
| Calibration Date         | 30-Sep-2020 |
| Calibrator Serial Number | 57          |
| Calibration Cable Type   | 7-46 AXS    |
| Wheel Correction 1       | -9          |
| Wheel Correction 2       | -7          |

### Tension Device

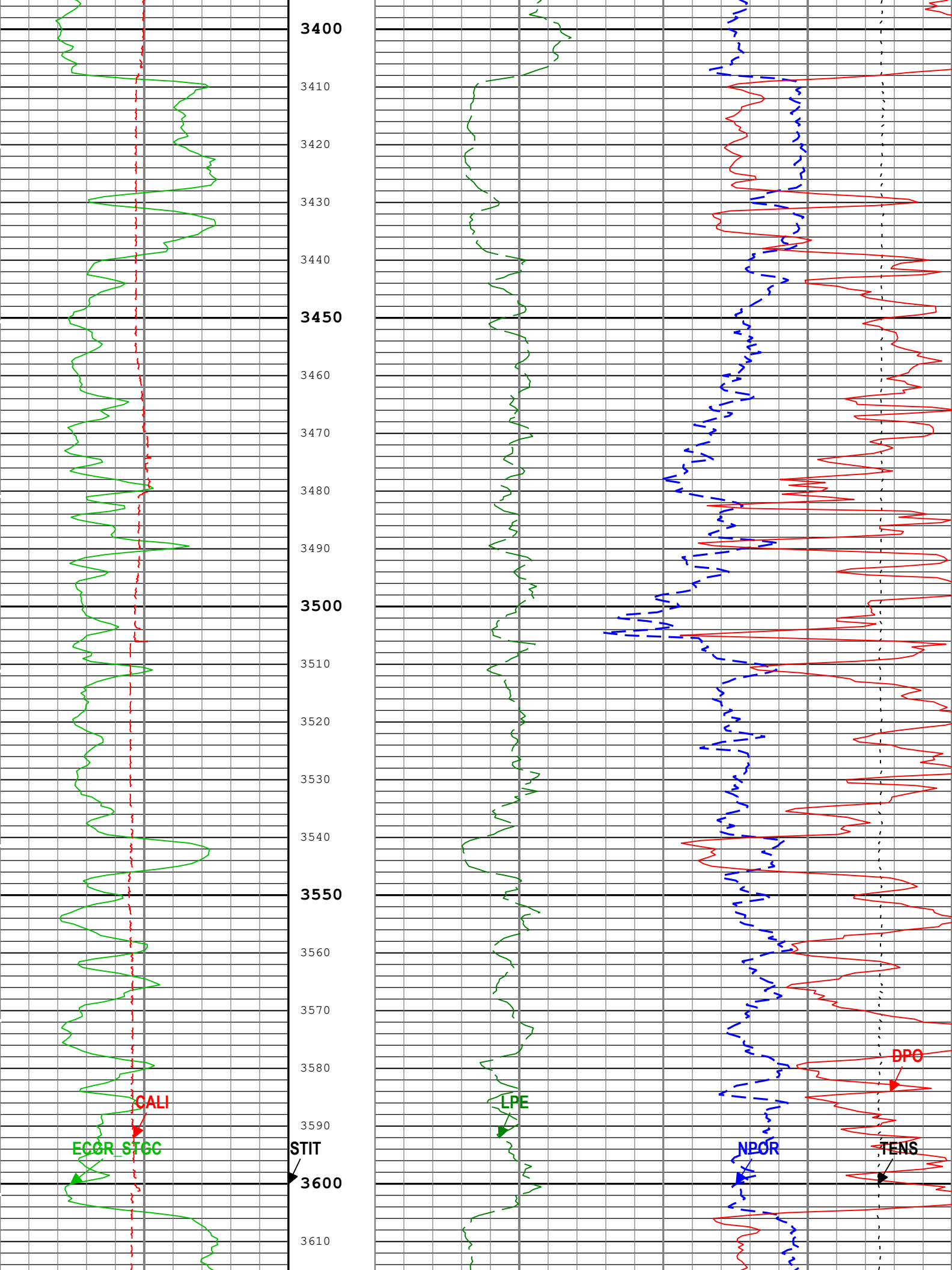
|      |          |
|------|----------|
| Type | CMTD B/A |
|------|----------|

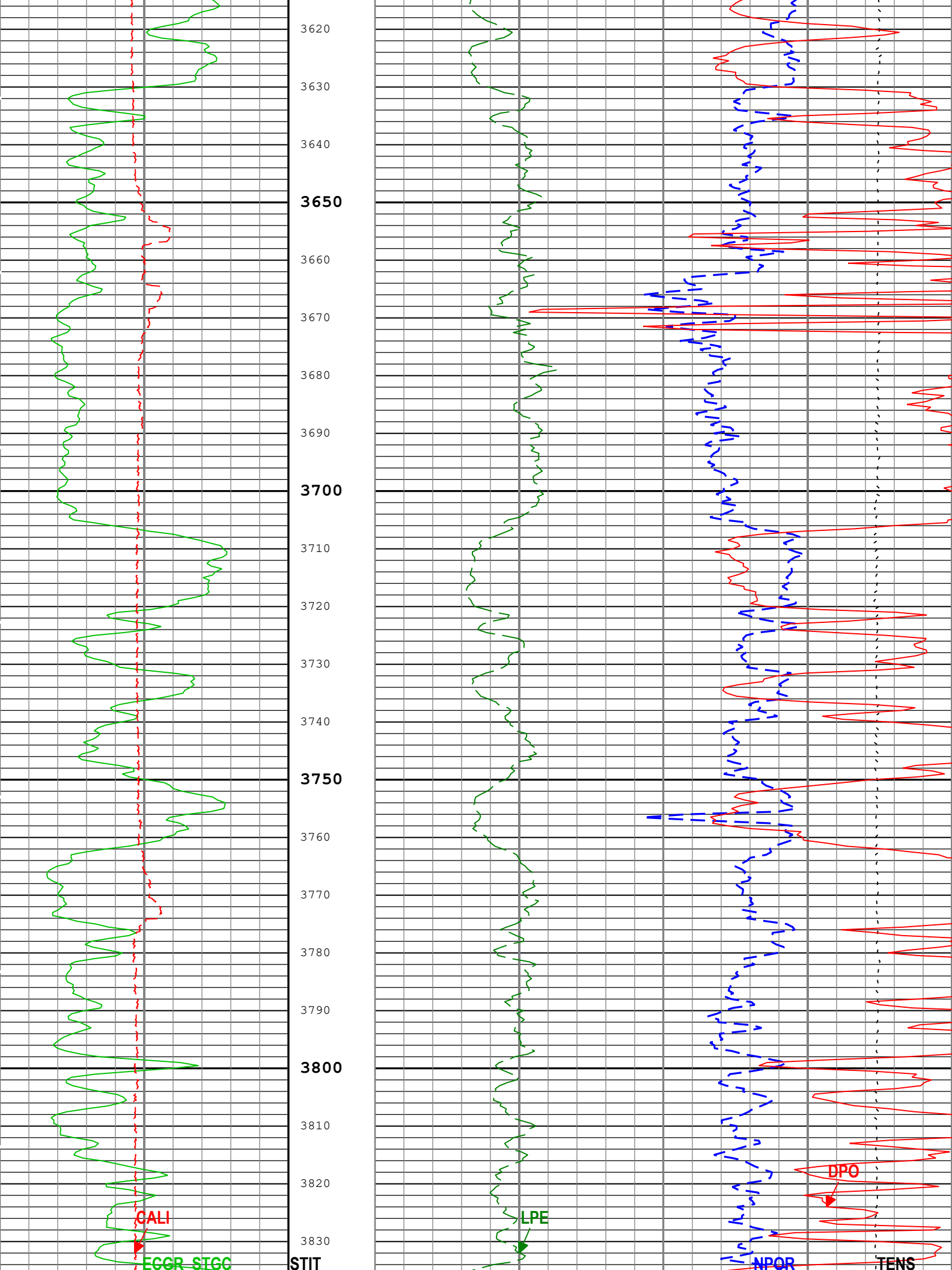
|  |                                  |           |  |            |   |                        |                      |                   |                       |
|--|----------------------------------|-----------|--|------------|---|------------------------|----------------------|-------------------|-----------------------|
| Type   | CMTD-B/A                         |           |  |            |   |                        |                      |                   |                       |
| Serial Number  | 946                              |           |  |            |   |                        |                      |                   |                       |
| Calibration Date   | 02-Jun-2020                      |           |  |            |   |                        |                      |                   |                       |
| Calibrator Serial Number   | 78165A                           |           |  |            |   |                        |                      |                   |                       |
| Number of Calibration Points   | 10                               |           |  |            |   |                        |                      |                   |                       |
| Calibration Root Mean Square Error   | 8                                |           |  |            |   |                        |                      |                   |                       |
| Calibration Peak Error   | 12                               |           |  |            |   |                        |                      |                   |                       |
| Logging Cable  |                                  |           |  |            |   |                        |                      |                   |                       |
| Type   | 7-46A-XS                         |           |  |            |   |                        |                      |                   |                       |
| Serial Number  | 1219083                          |           |  |            |   |                        |                      |                   |                       |
| Length   | 18000.00 ft                      |           |  |            |   |                        |                      |                   |                       |
| Conveyance Type  | Wireline                         |           |  |            |   |                        |                      |                   |                       |
| Rig Type   | Land                             |           |  |            |   |                        |                      |                   |                       |
| 2A:Depth Control Parameters  |                                  |           | Depth Control Remarks                          |            |   |                        |                      |                   |                       |
| Log Sequence   | First Log In the Well            |           | Schlumberger depth control procedures followed |            |   |                        |                      |                   |                       |
| Rig Up Length At Surface   |                                  |           | IDW used as primary depth control system       |            |   |                        |                      |                   |                       |
| Rig Up Length At Bottom  |                                  |           | Z-Chart used as secondary depth control system |            |   |                        |                      |                   |                       |
| Rig Up Length Correction   |                                  |           |  |            |   |                        |                      |                   |                       |
| Stretch Correction   |                                  |           |  |            |   |                        |                      |                   |                       |
| Tool Zero Check At Surface   |                                  |           |  |            |   |                        |                      |                   |                       |
| 2A   |                                  |           |  |            |   |                        |                      |                   |                       |
| 5" Porosity  |                                  |           |  |            |   |                        |                      |                   |                       |
| Pass Summary   |                                  |           |  |            |   |                        |                      |                   |                       |
| Run Name   | Pass Objective                   | Direction | Top  | Bottom     | Start   | Stop                   | DSC Mode             | Depth Shift       | Include Parallel Data |
| 2A   | Log[2]:Up                        | Up        | 2858.91 ft                                     | 8563.43 ft | 19-Jul-2021 3:16:18 PM  | 19-Jul-2021 6:22:02 PM | ON                   | 3.65 ft           | Yes                   |
| All depths are referenced to toolstring zero   |                                  |           |  |            |   |                        |                      |                   |                       |
| Log  |                                  |           |  |            | Company:University Of Utah  |                        |                      | Well:FORGE 78B-32 |                       |
| 2A: Log[2]:Up:S016   |                                  |           |  |            |   |                        |                      |                   |                       |
| Description: HGNS standard resolution porosities for Platform Express    Format: Log ( Porosity-5 )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 20-Jul-2021 01:38:24 |                                  |           |  |            |   |                        |                      |                   |                       |
| Channel  | Source                           |           | Sampling                                       |            |   |                        |                      |                   |                       |
| CALI   | HLDS-D:HLDS-Sonde Segment:HLDS-D |           | 1in  |            |   |                        |                      |                   |                       |
| DPHI   | HLDS-D:HLDS-Sonde Segment:HLDS-D |           | 6in  |            |   |                        |                      |                   |                       |
| GR   | QTGC-B:QTGC-B:STGC-B             |           | 6in  |            |   |                        |                      |                   |                       |
| NPOR   | QCNT:QCNT:QCNC-A                 |           | 6in  |            |   |                        |                      |                   |                       |
| PEF  | HLDS-D:HLDS-Sonde Segment:HLDS-D |           | 6in  |            |   |                        |                      |                   |                       |
| STIT   | DepthCorrection                  |           | 6in  |            |   |                        |                      |                   |                       |
| TENS   | WLWorkflow                       |           | 6in  |            |   |                        |                      |                   |                       |
| TIME_1900  | WLWorkflow                       |           | 0.1in  |            |   |                        |                      |                   |                       |
| TIME_1900 - Time Marked every 60.00 (s)  |                                  |           |  |            |   |                        |                      |                   |                       |
|  |                                  |           | Photoelectric Factor - filtered (LPE) HLDS-D   |            |   |                        | Cable Tension (TENS) |                   |                       |
|  |                                  |           | 010  |            |   |                        | 10000lbf0            |                   |                       |
|  |                                  |           | Gas Effect                                     |            |   |                        |                      |                   |                       |
| Gamma Ray (ECGR_STGC) QTGC-B   |                                  |           | Stuck Tool Indicator, Total (STIT)             |            | Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) QCNT |                        |                      |                   |                       |

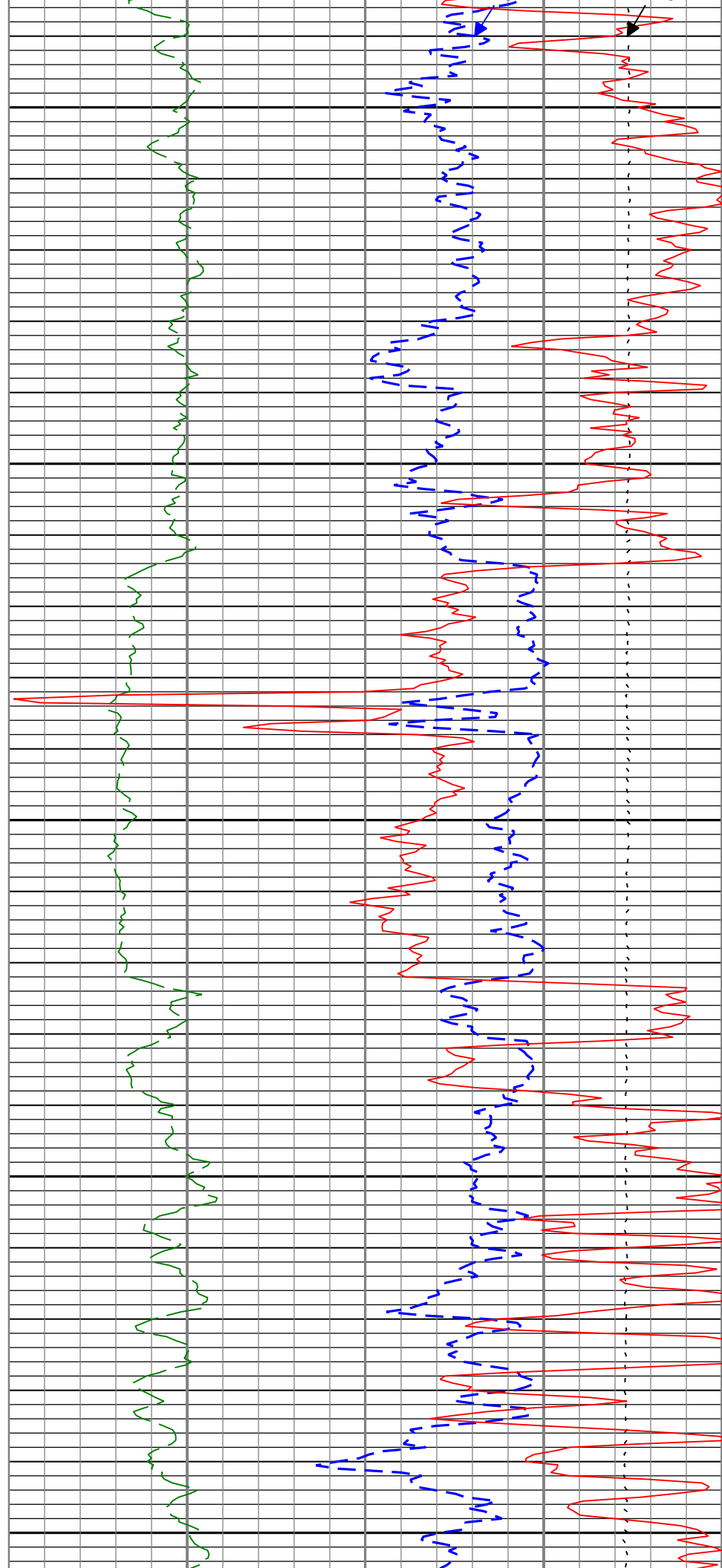
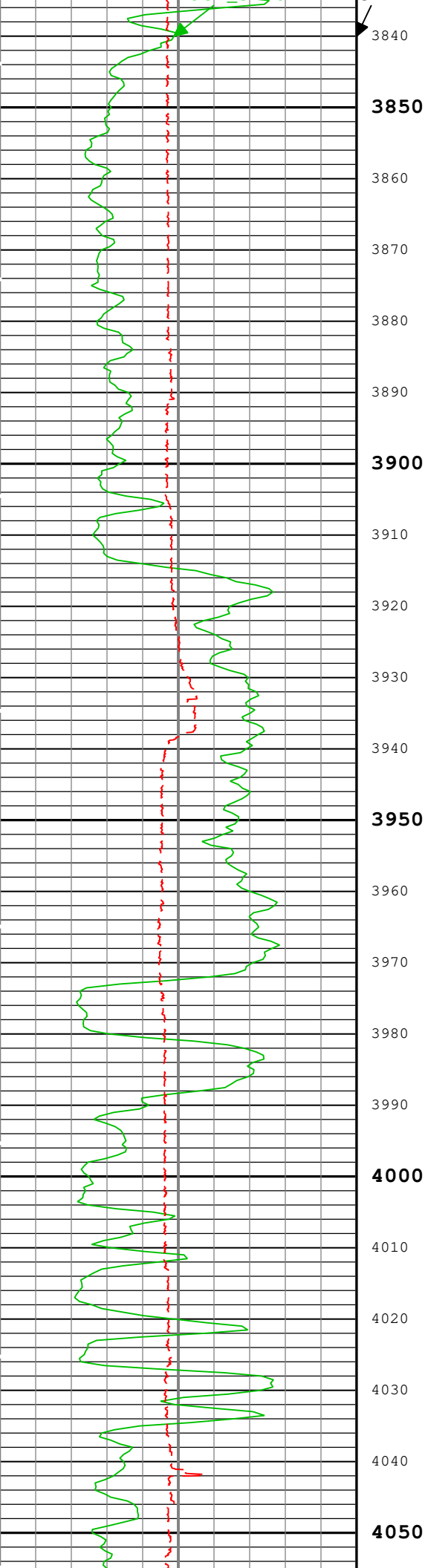


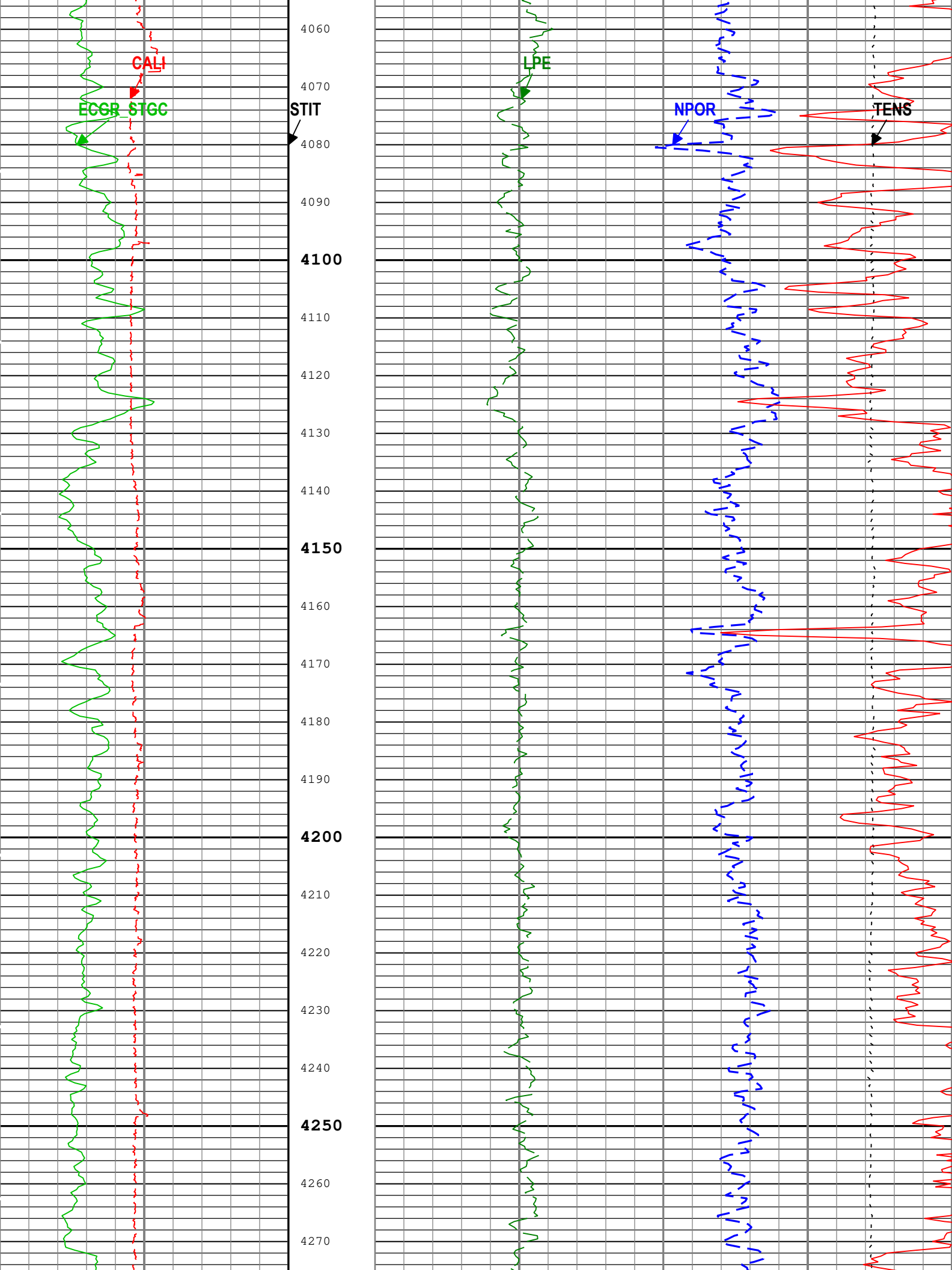


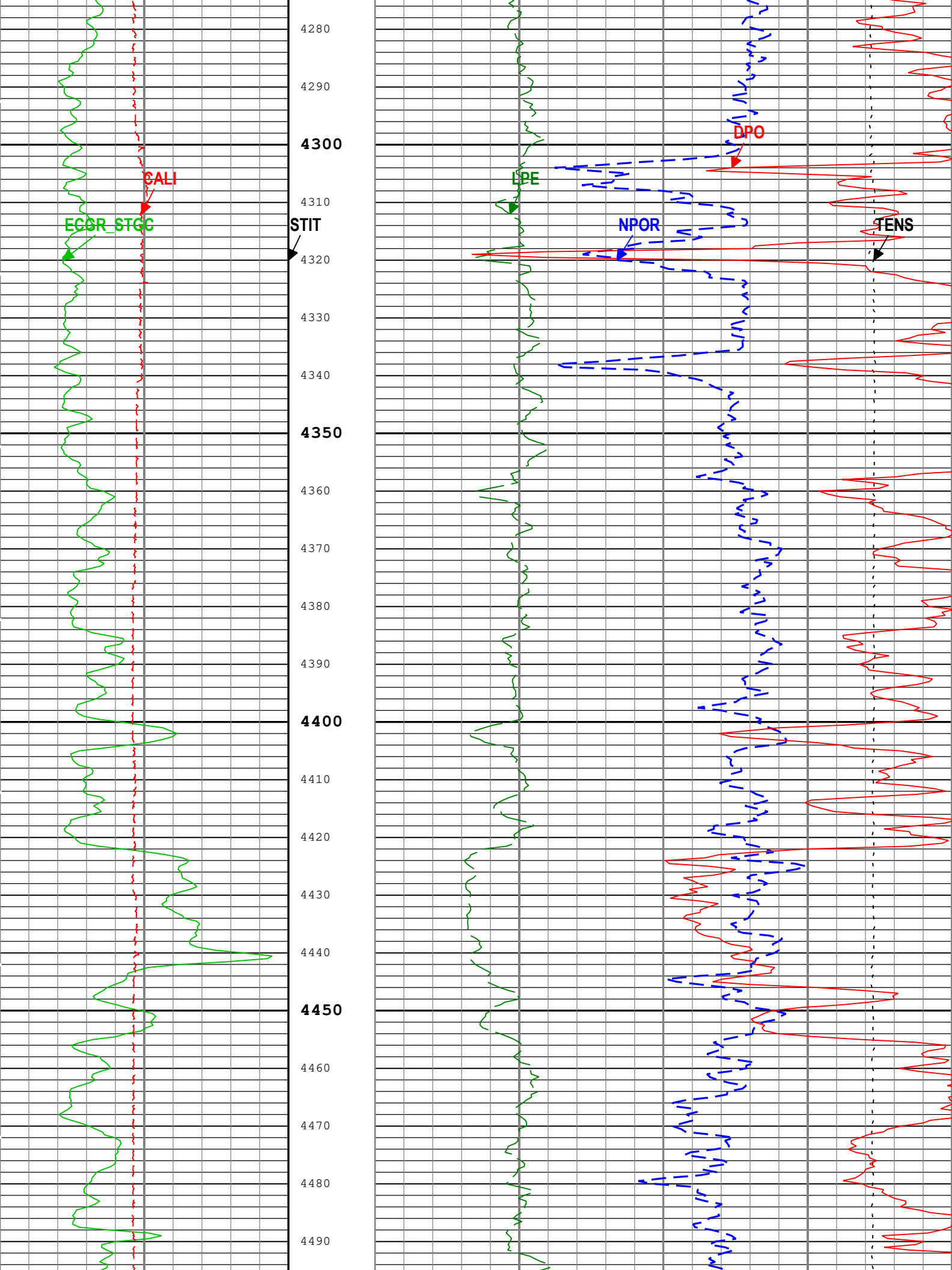


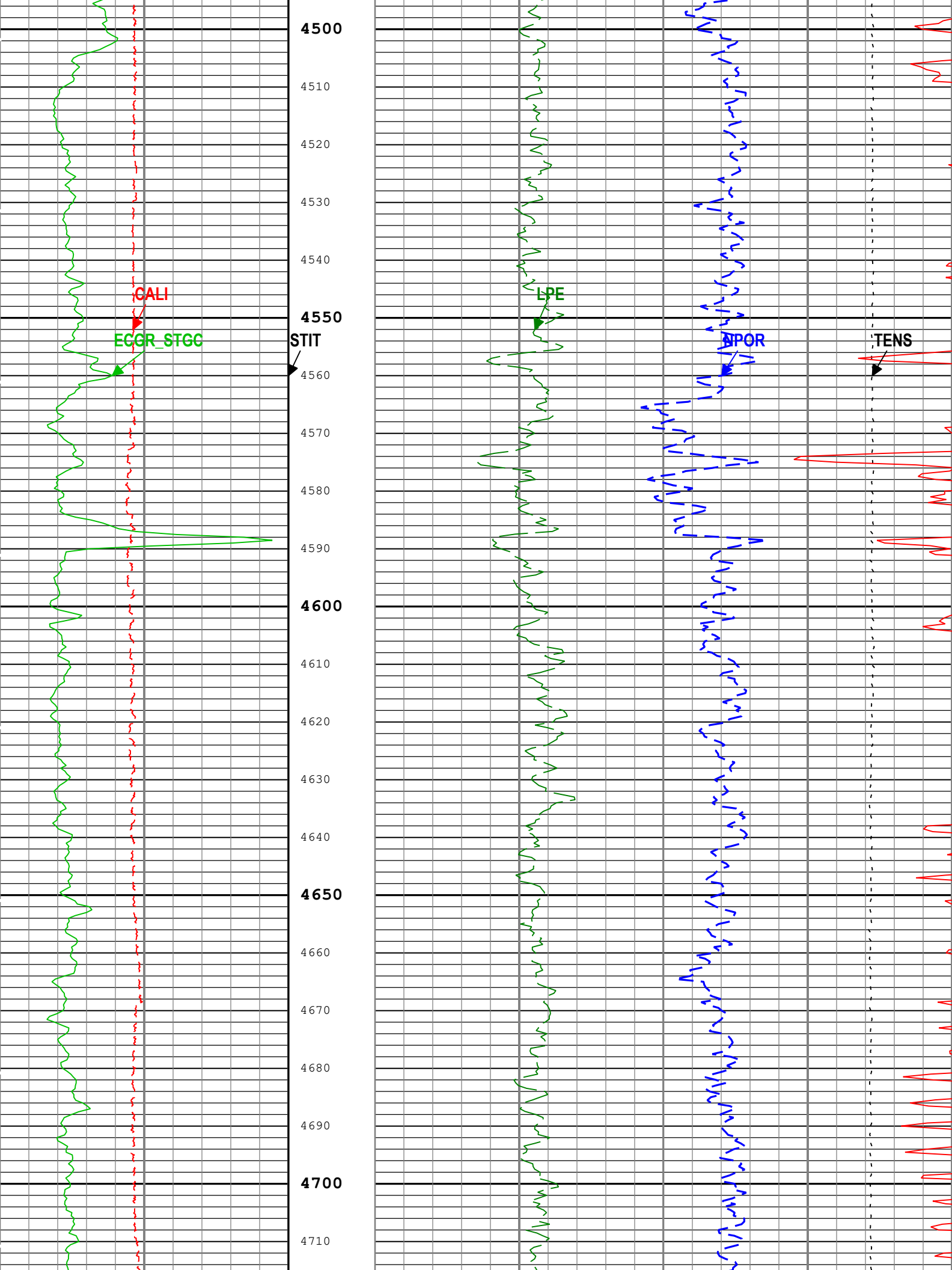


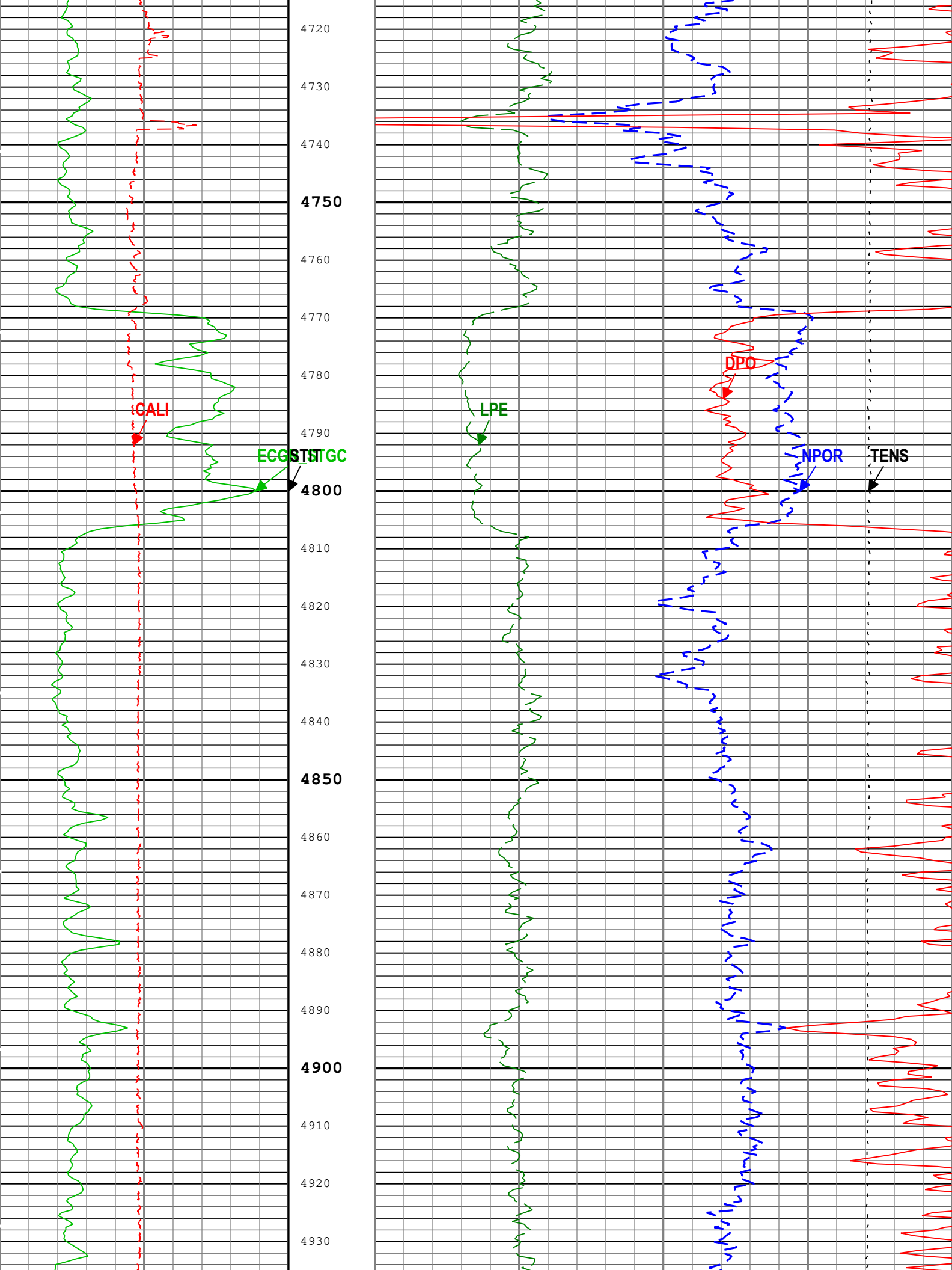


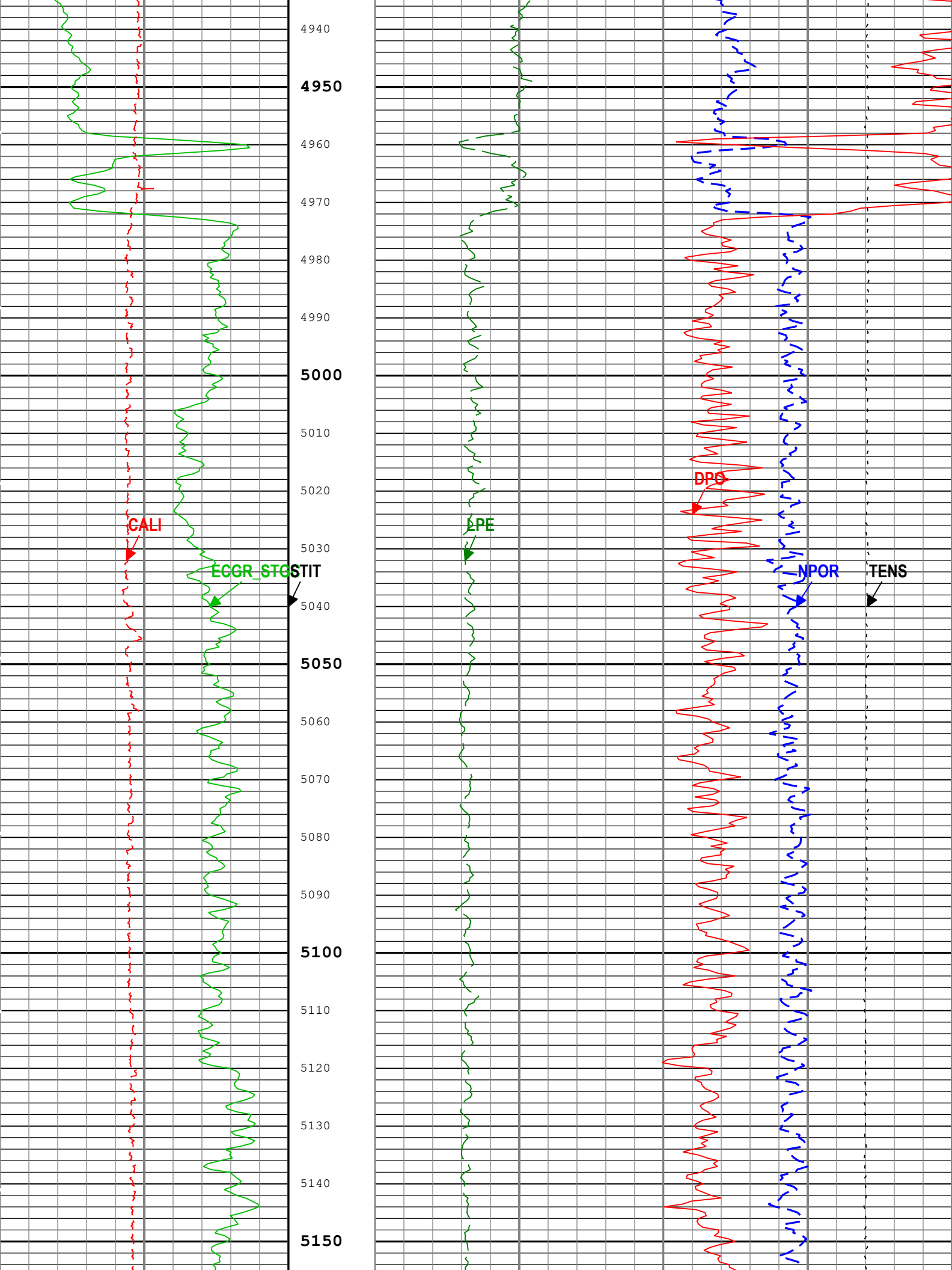




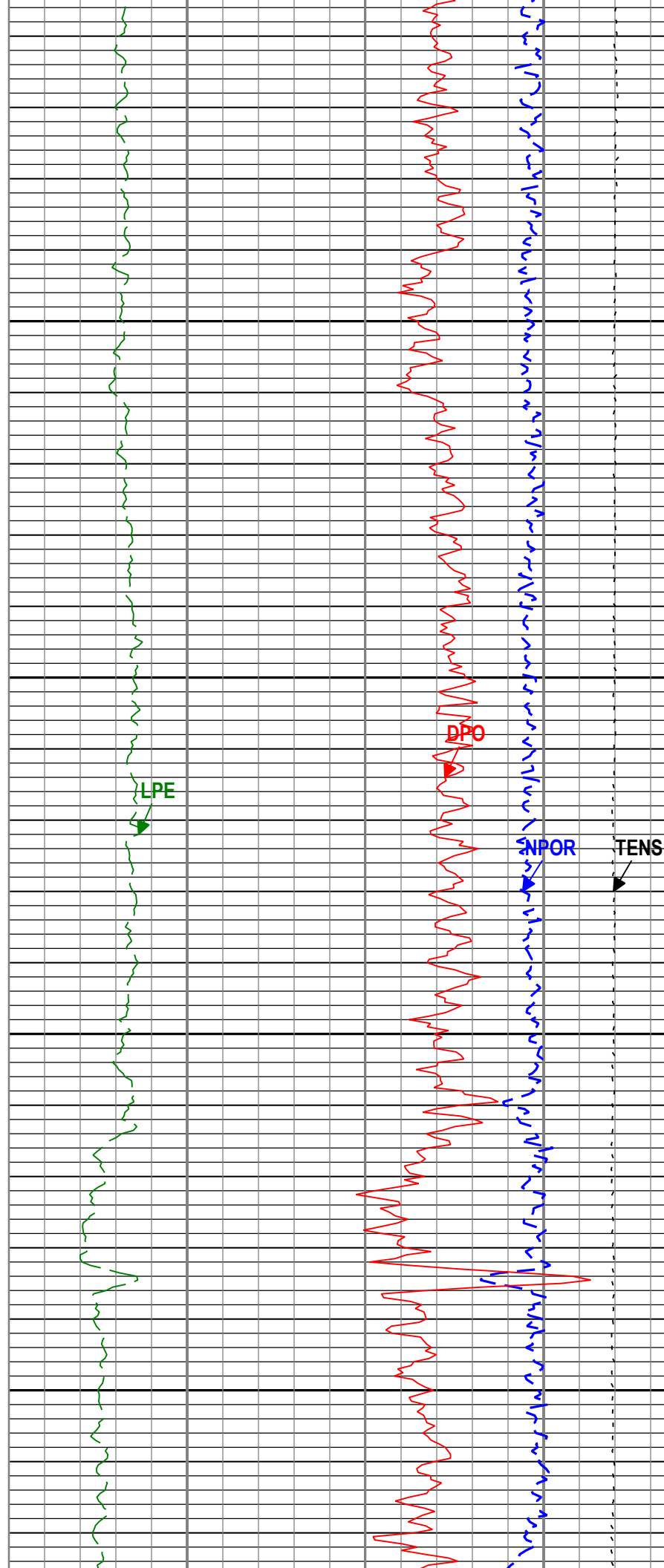
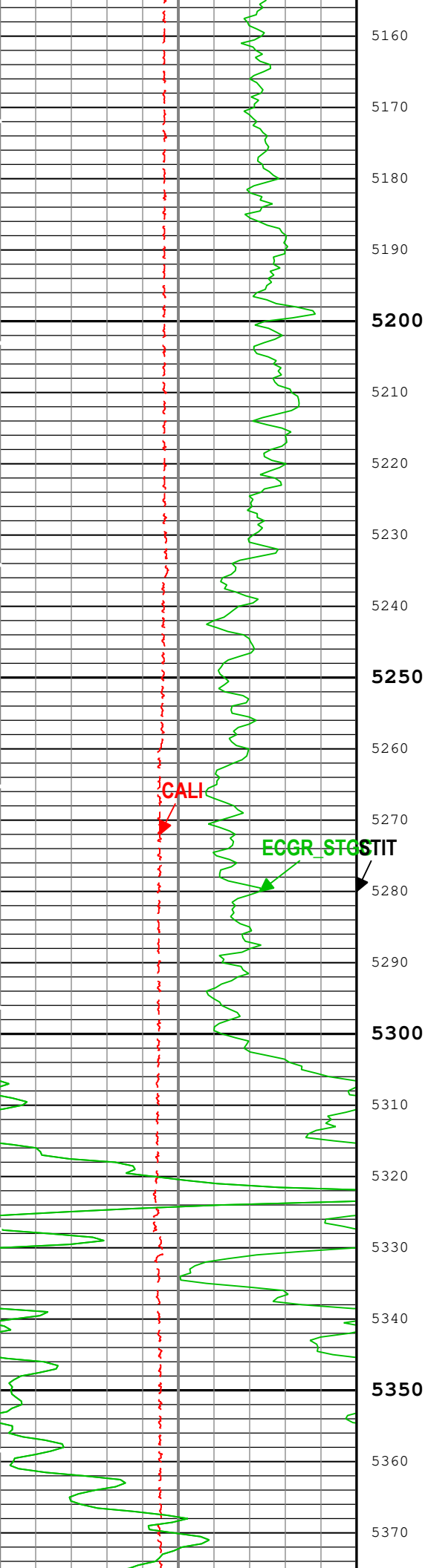


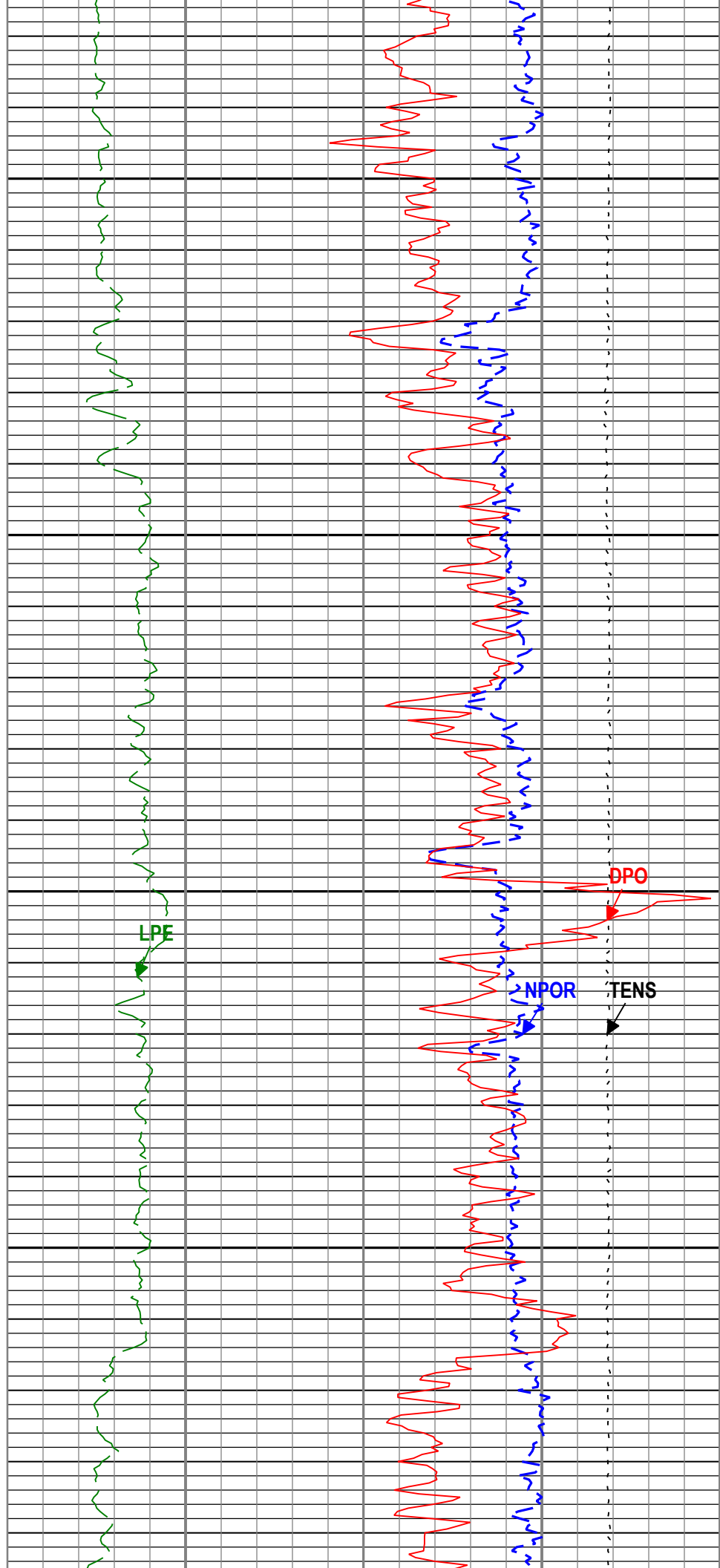
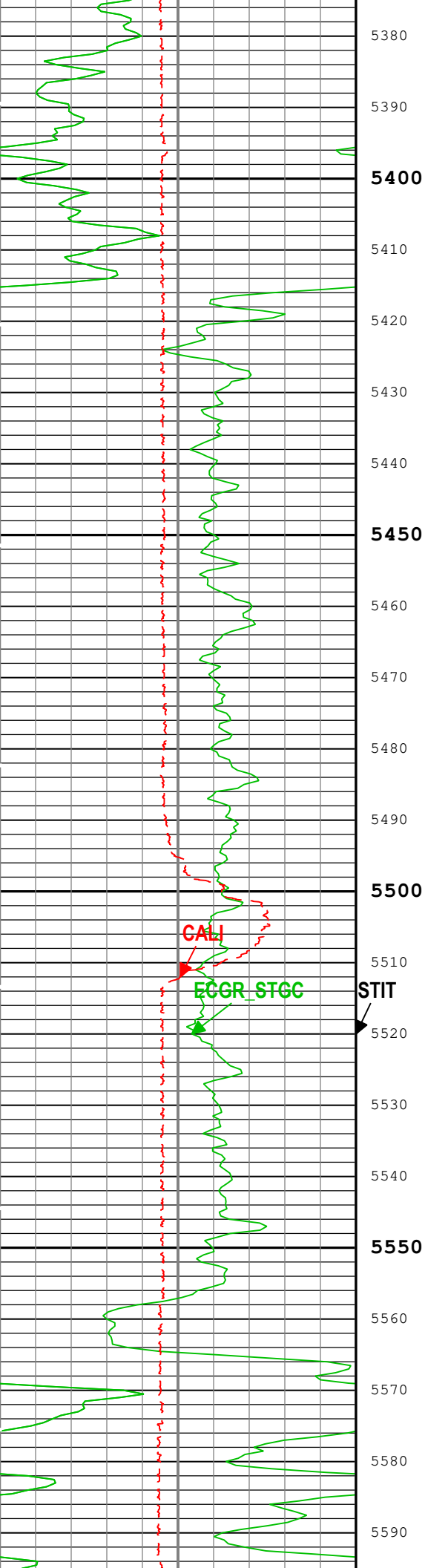


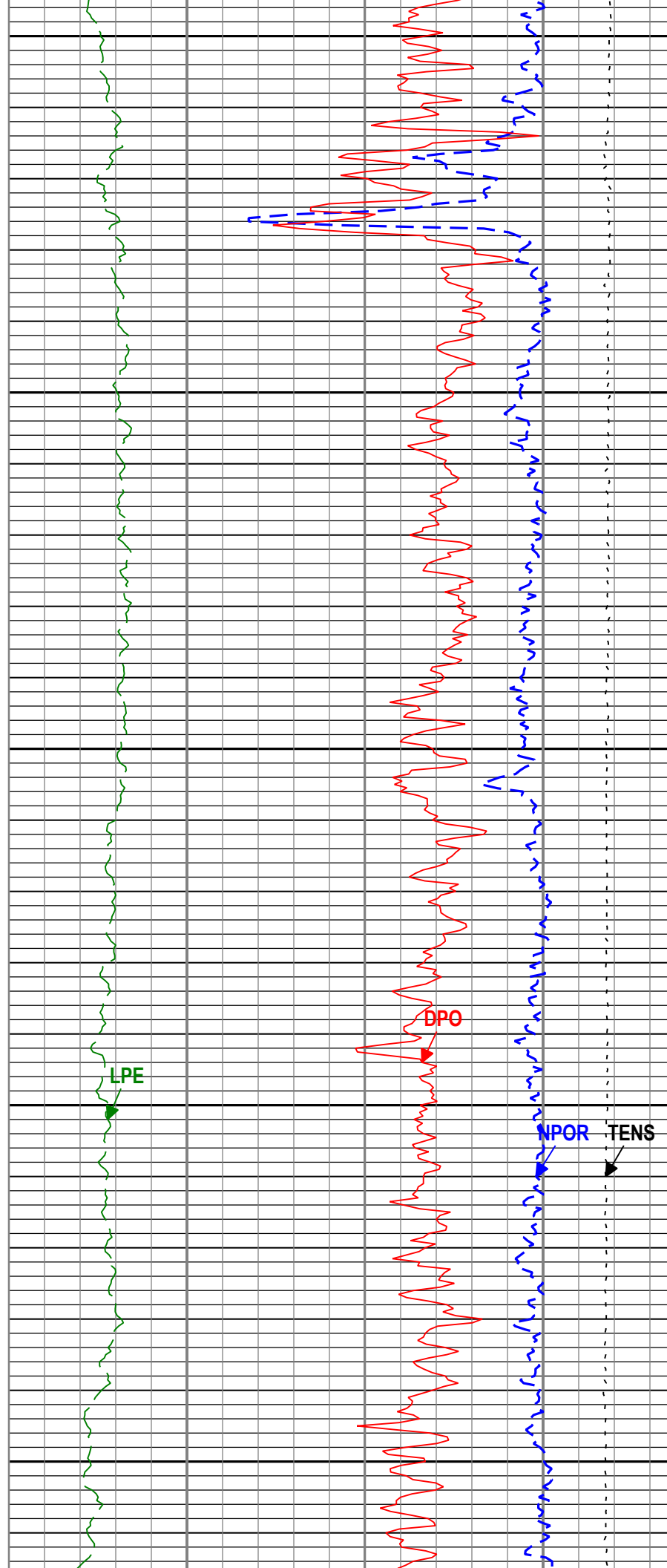
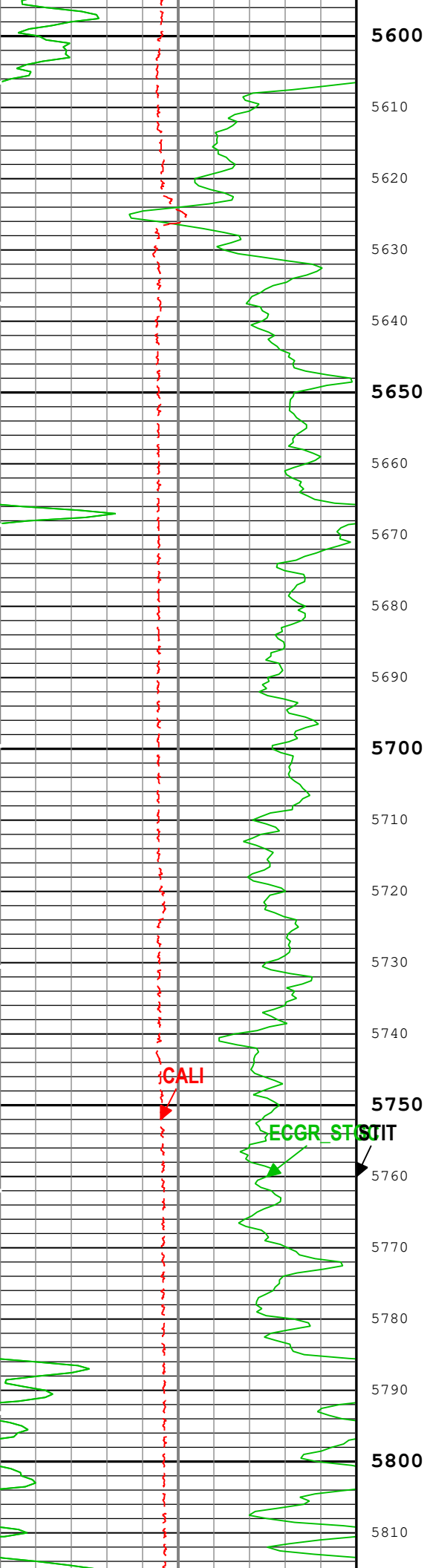


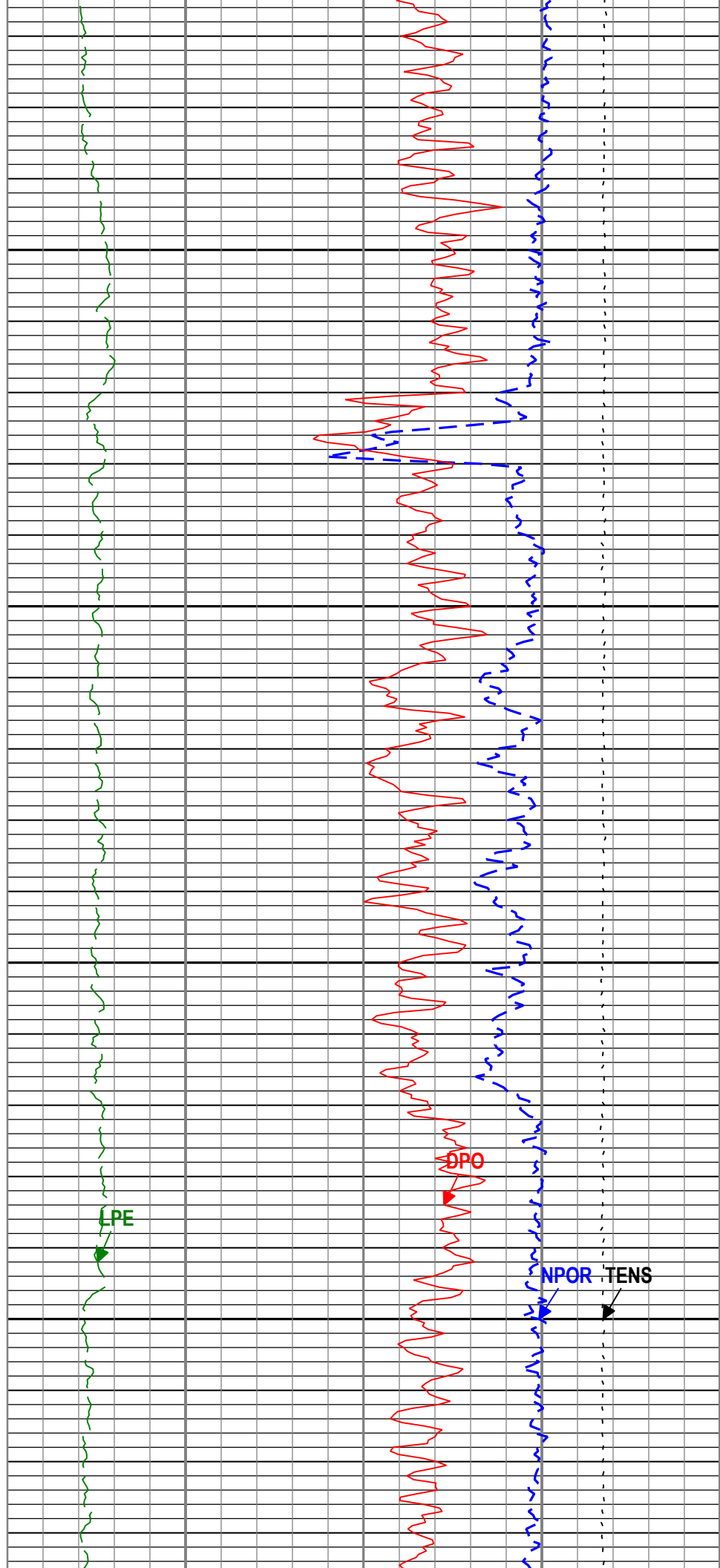
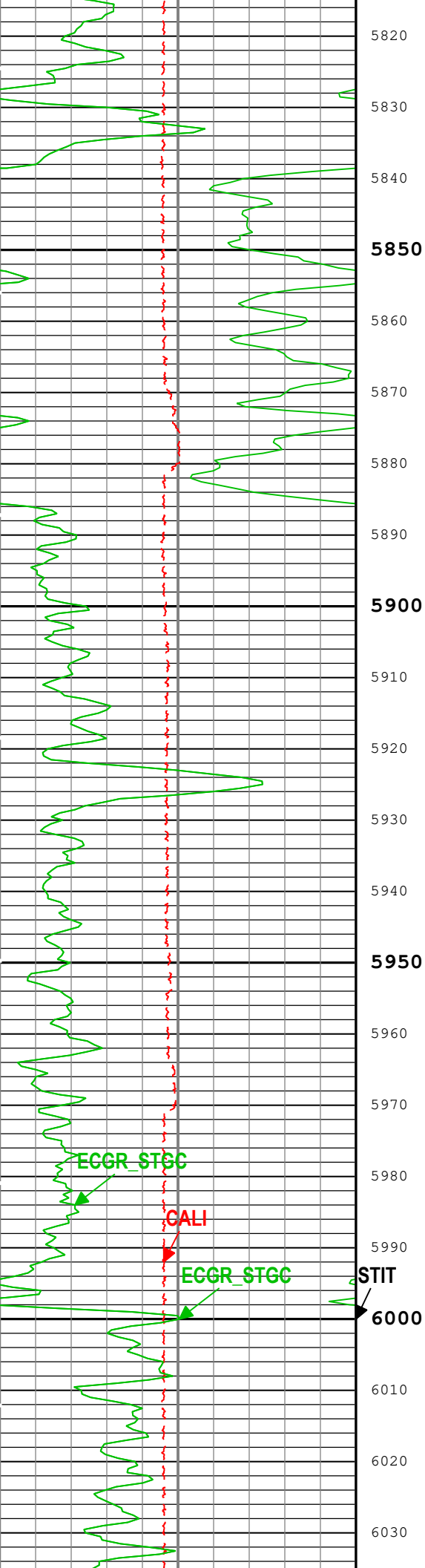


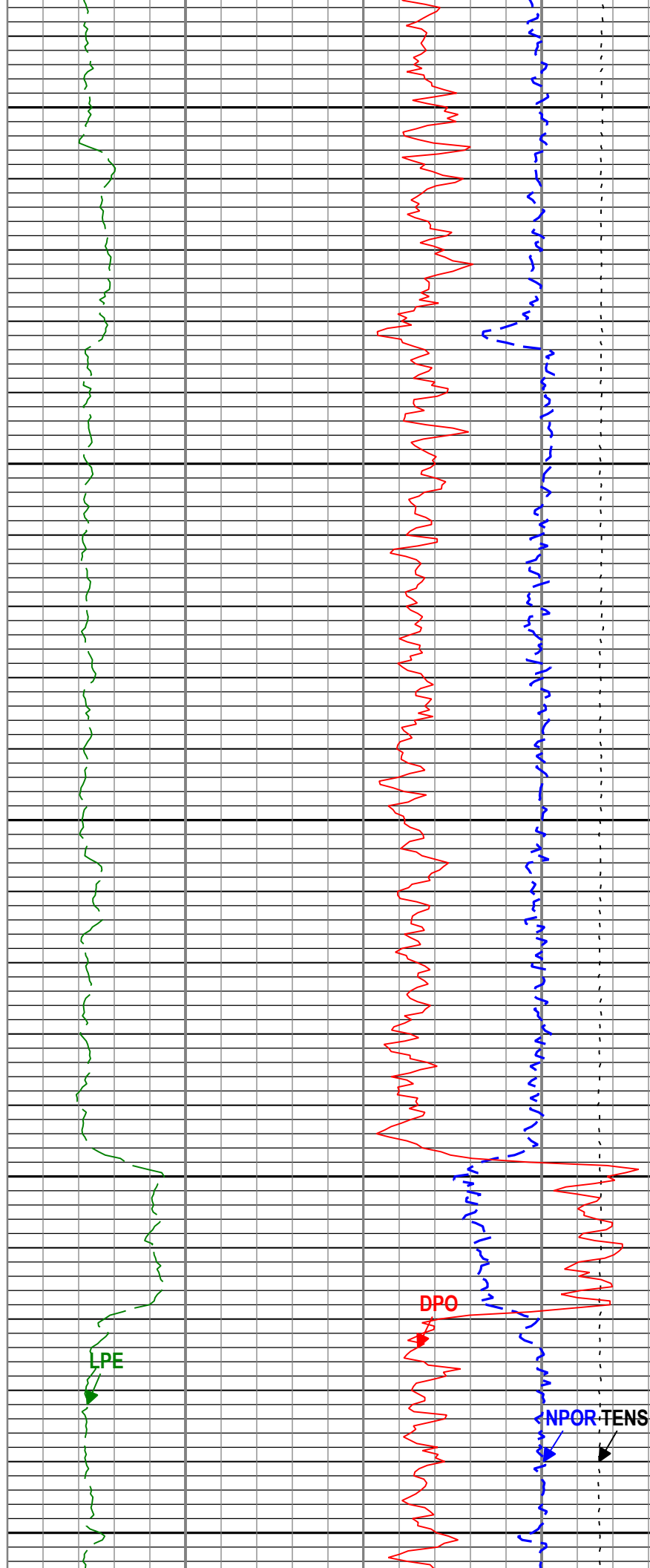
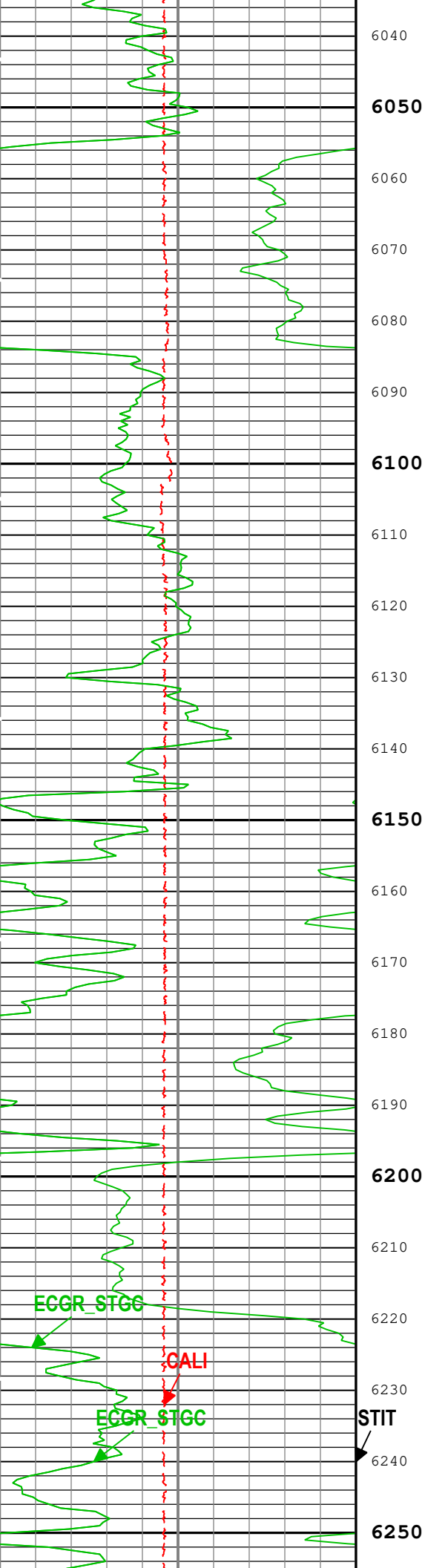


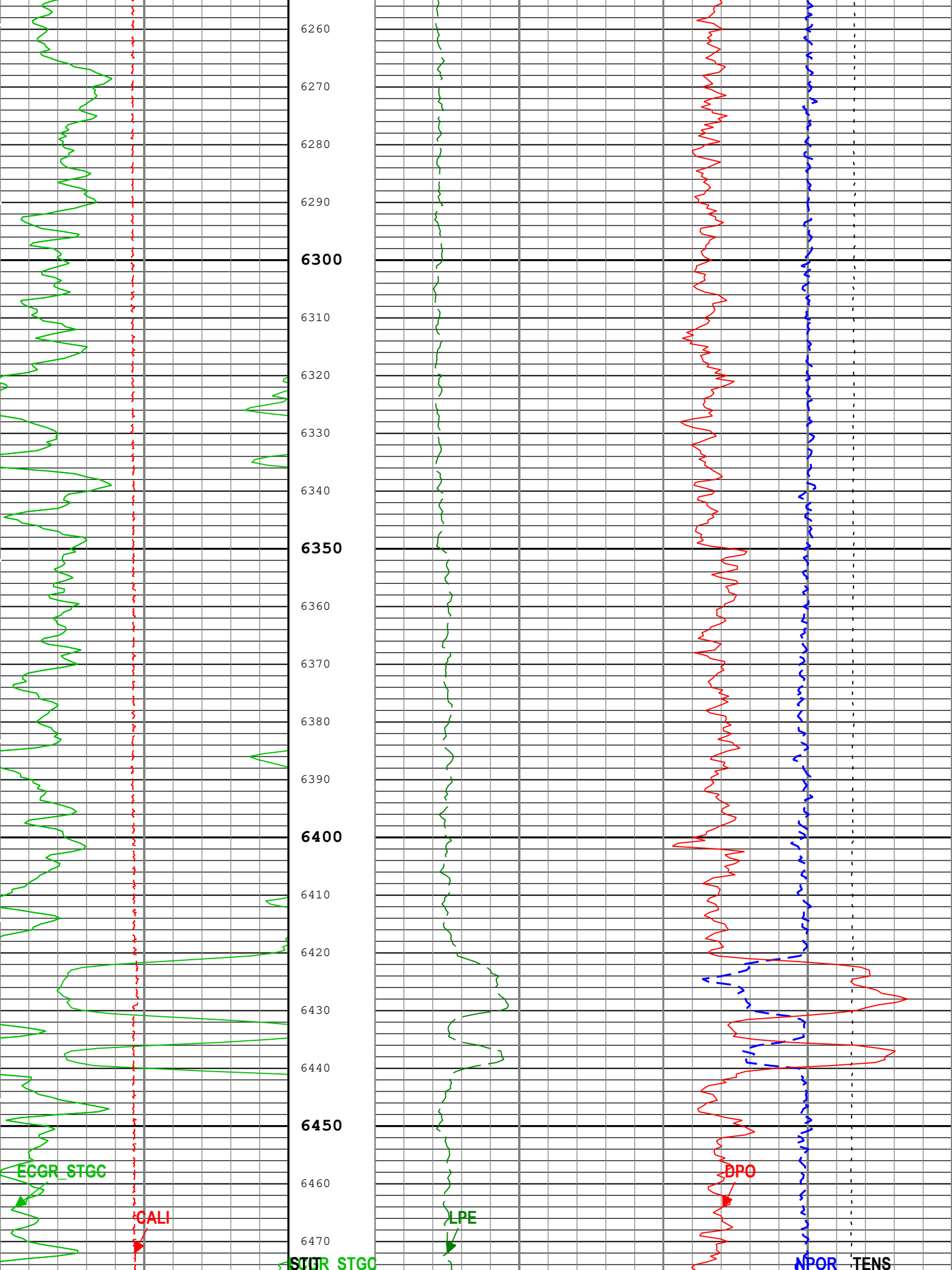


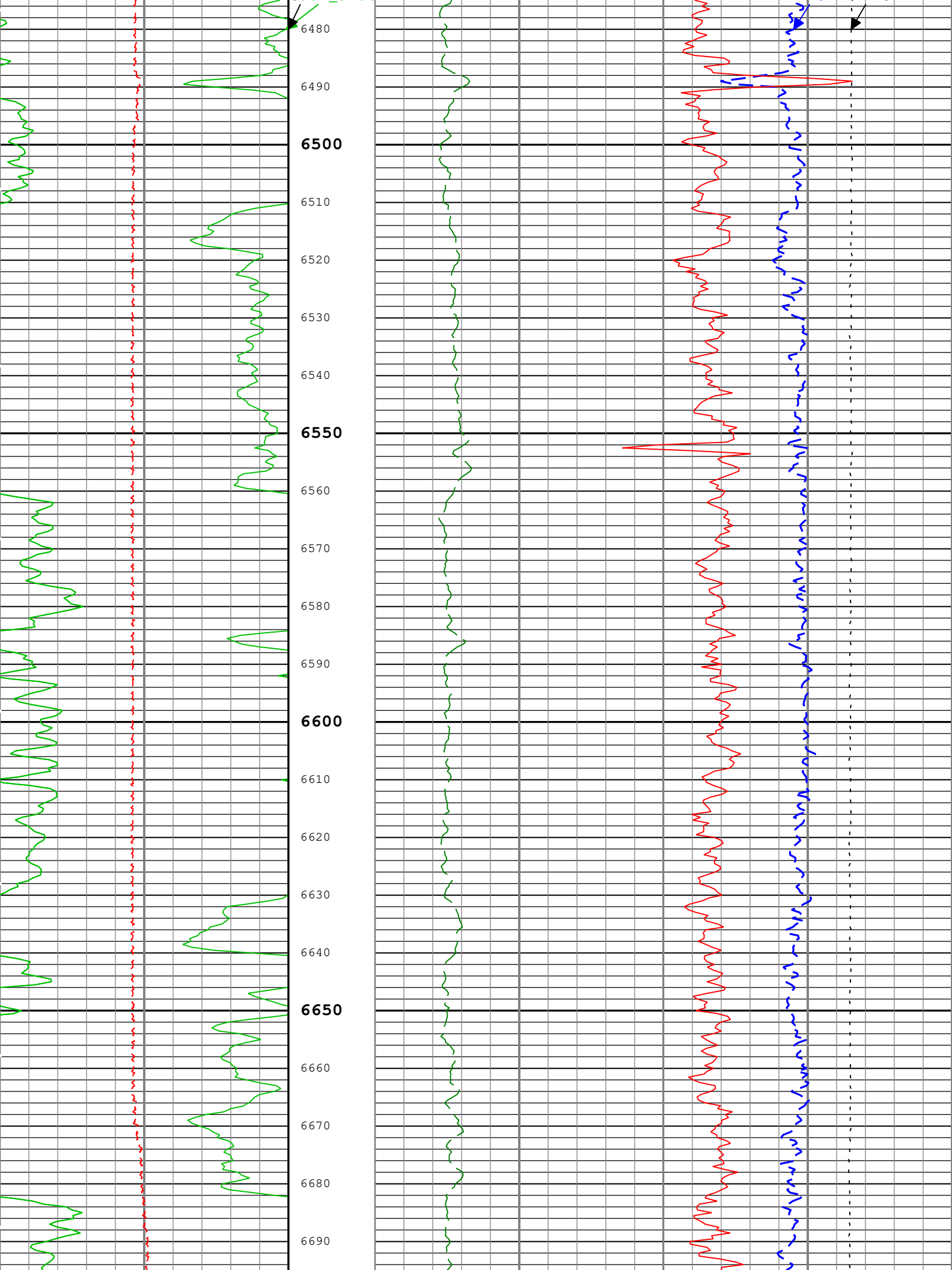


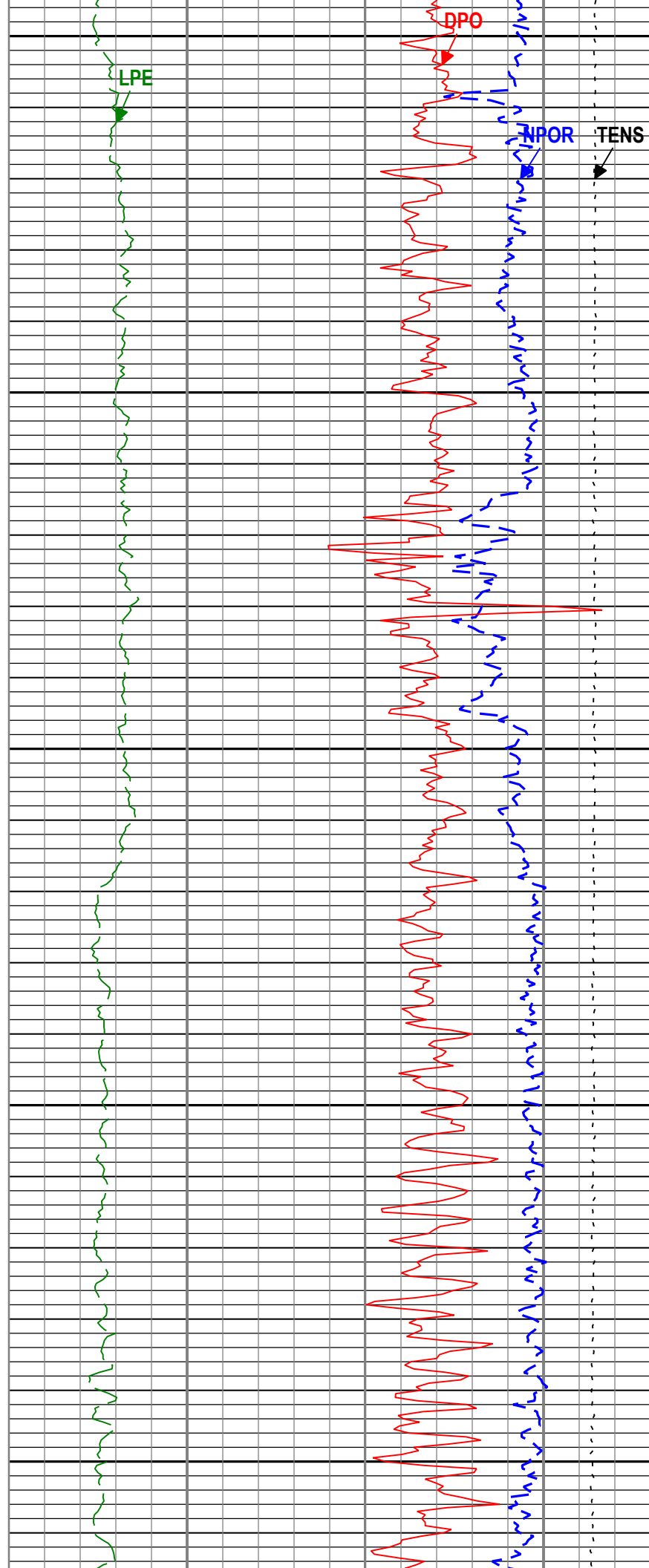
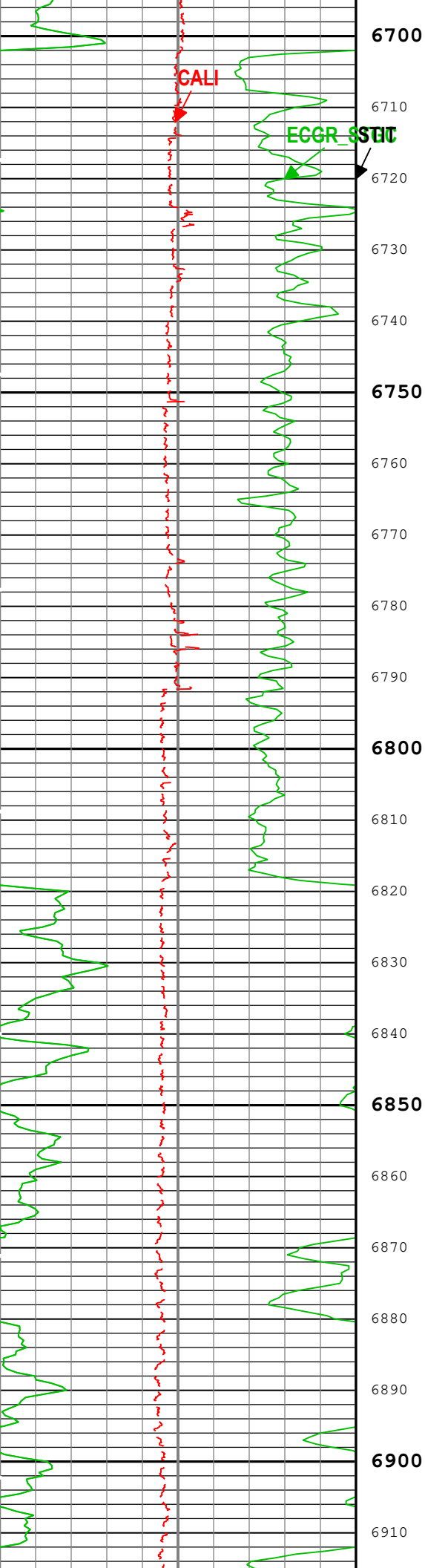




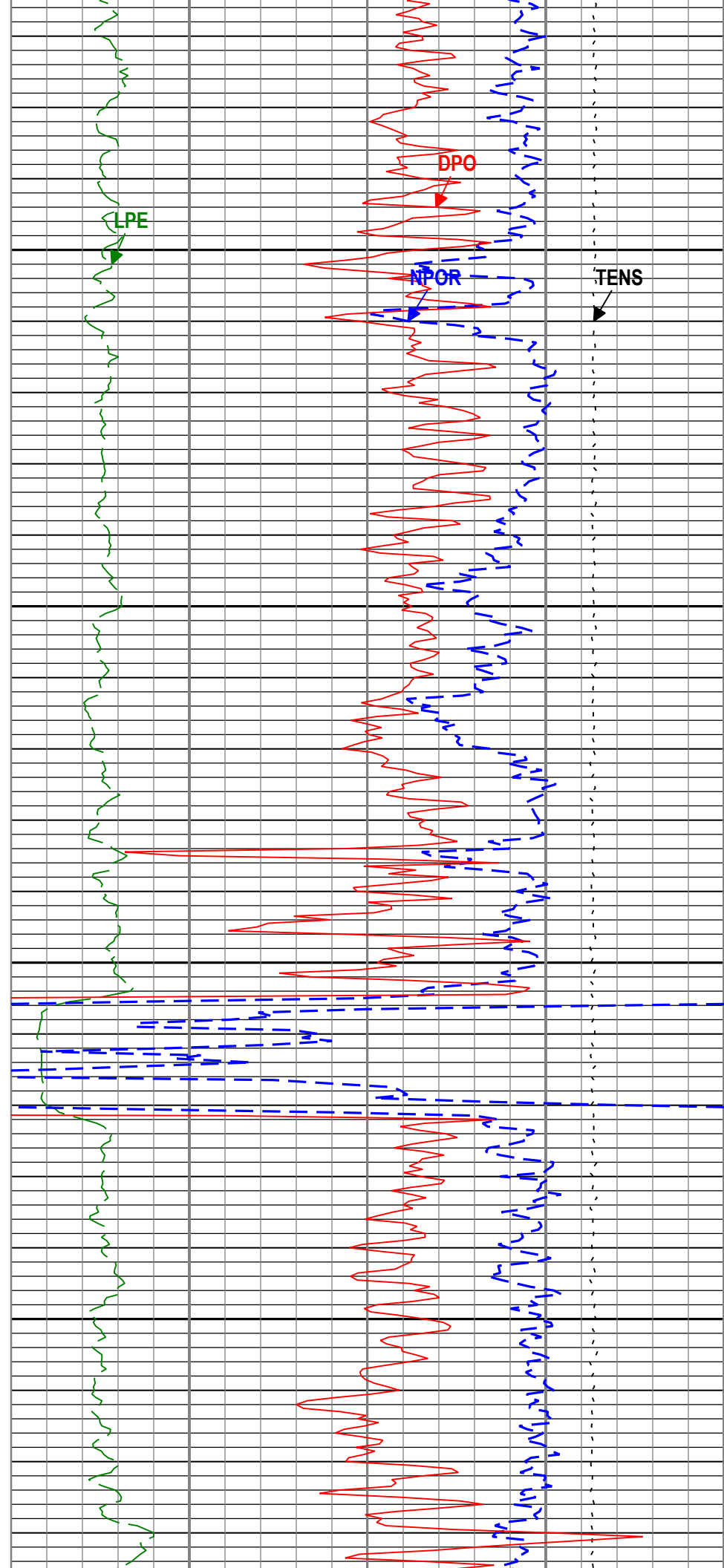
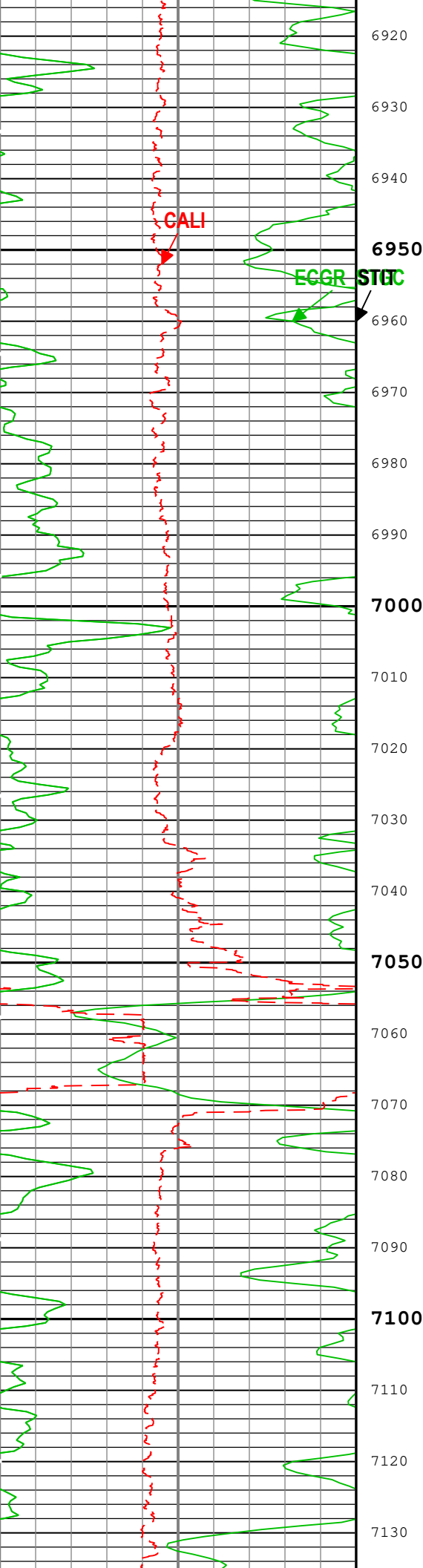


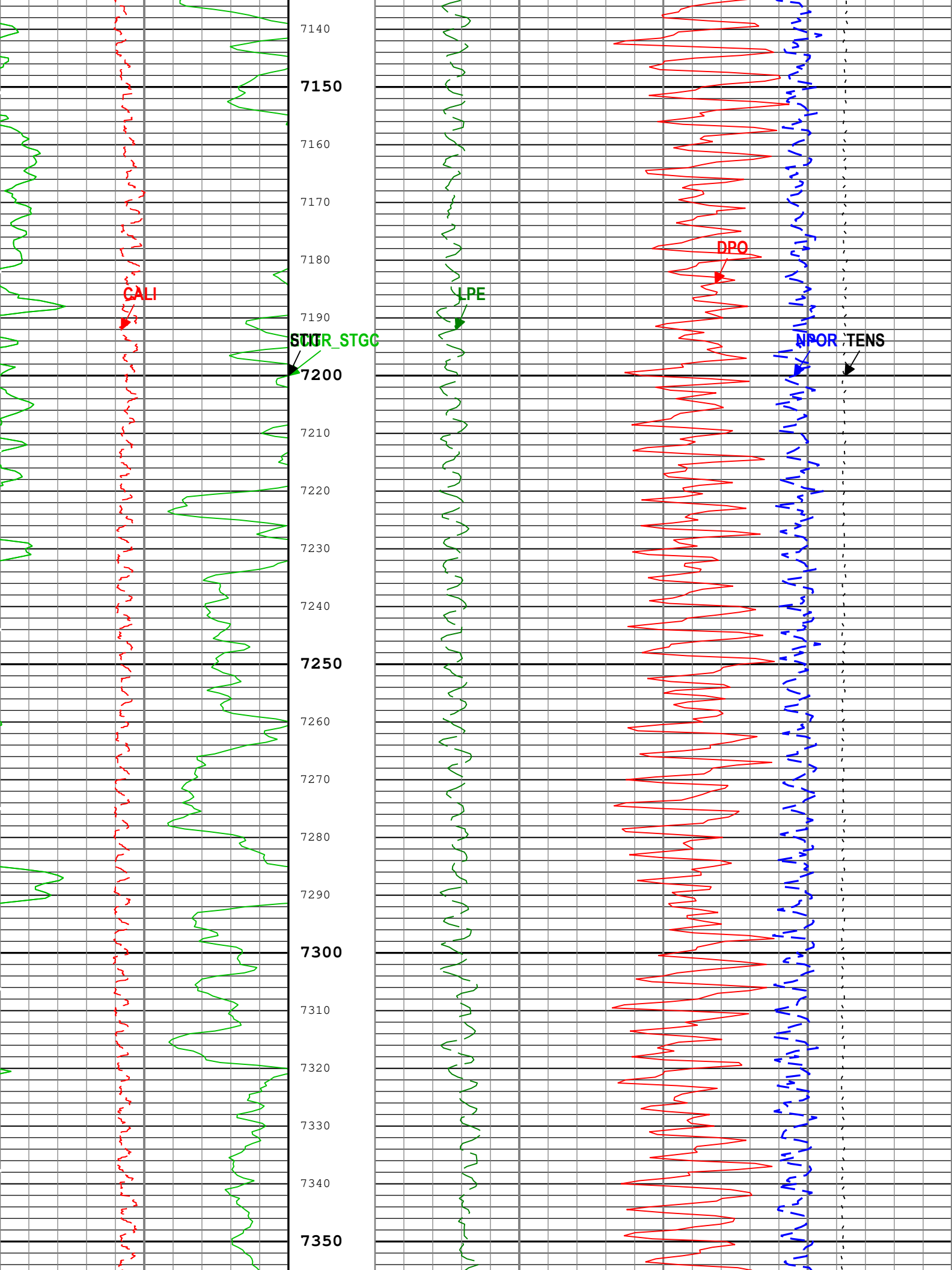


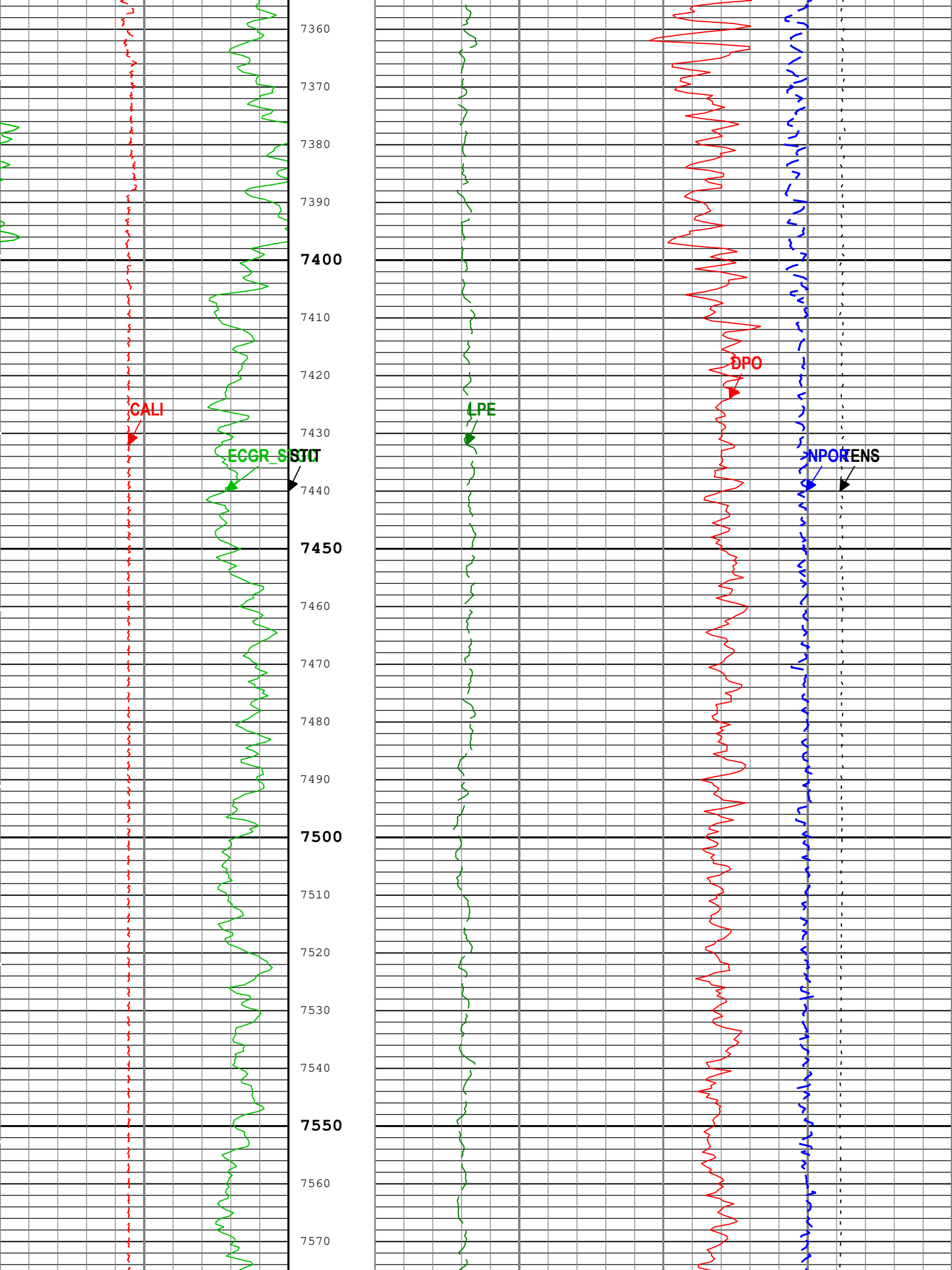


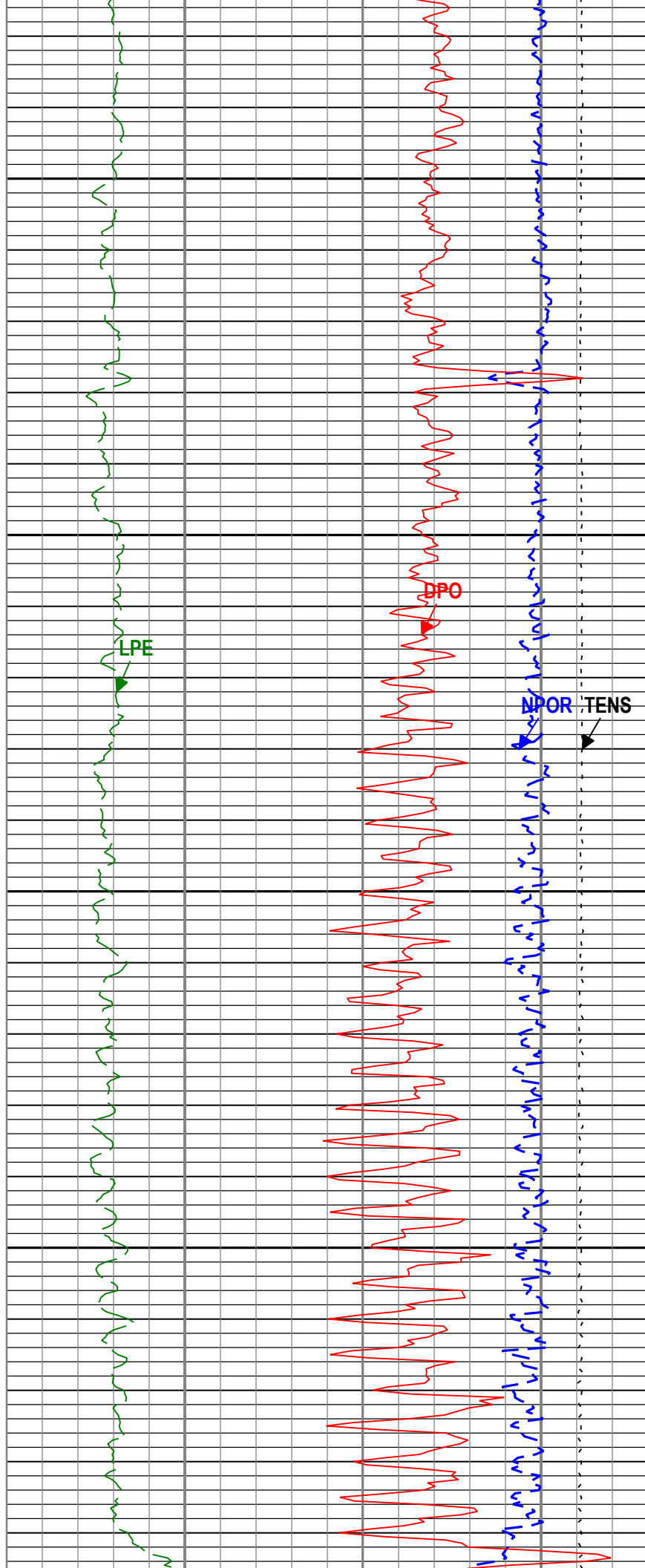
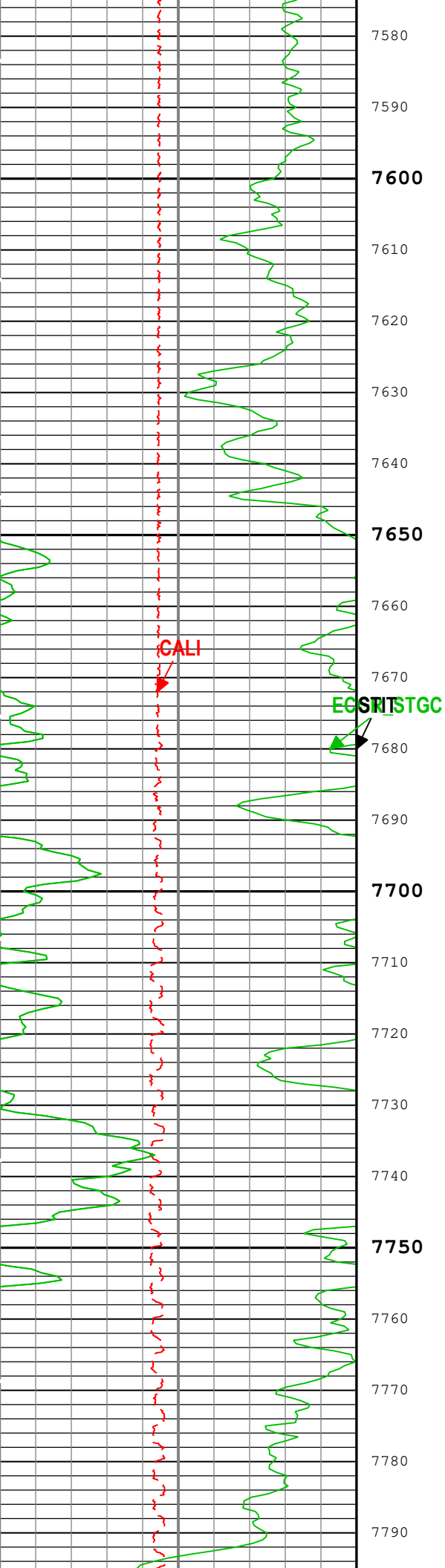


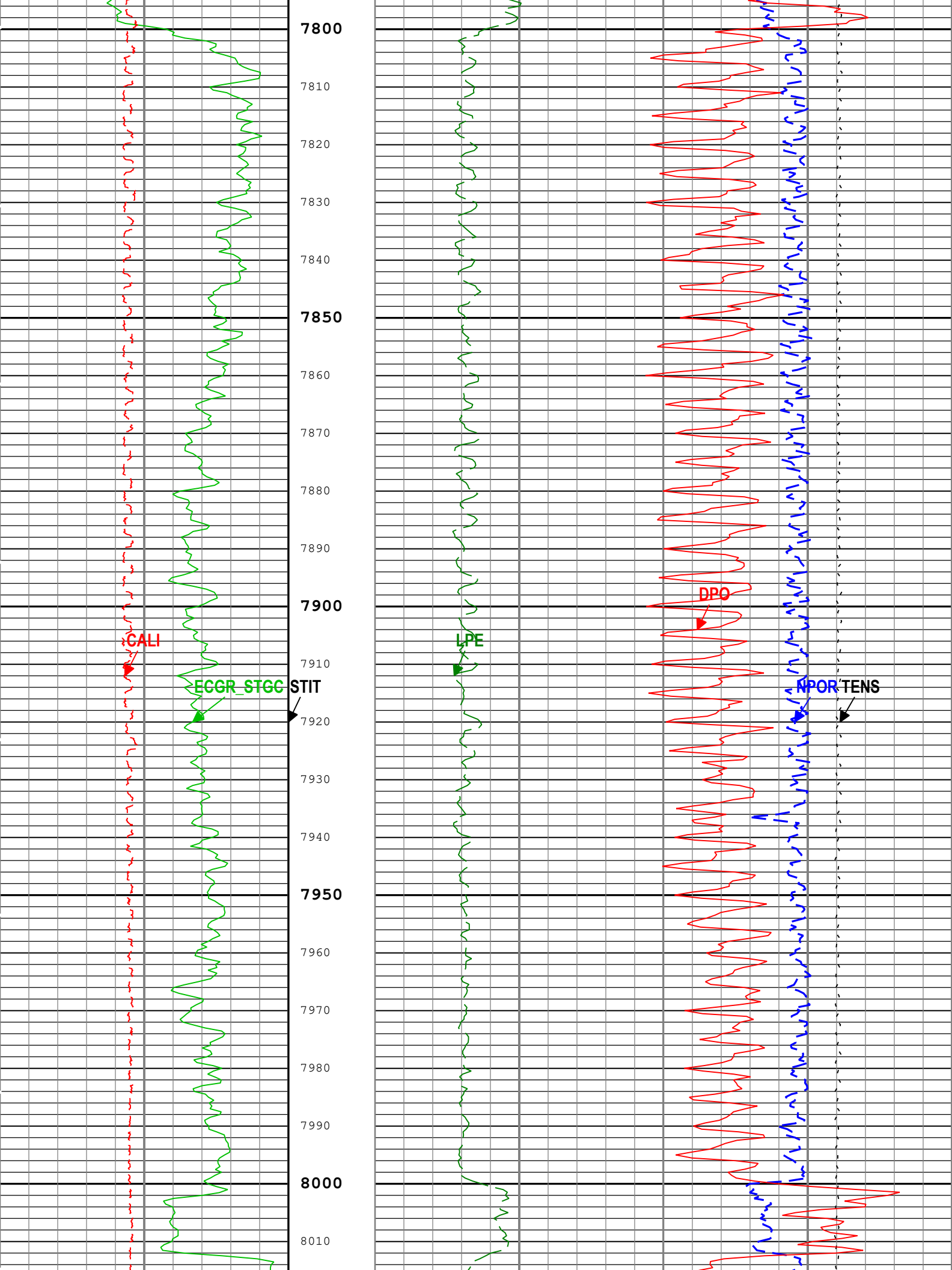


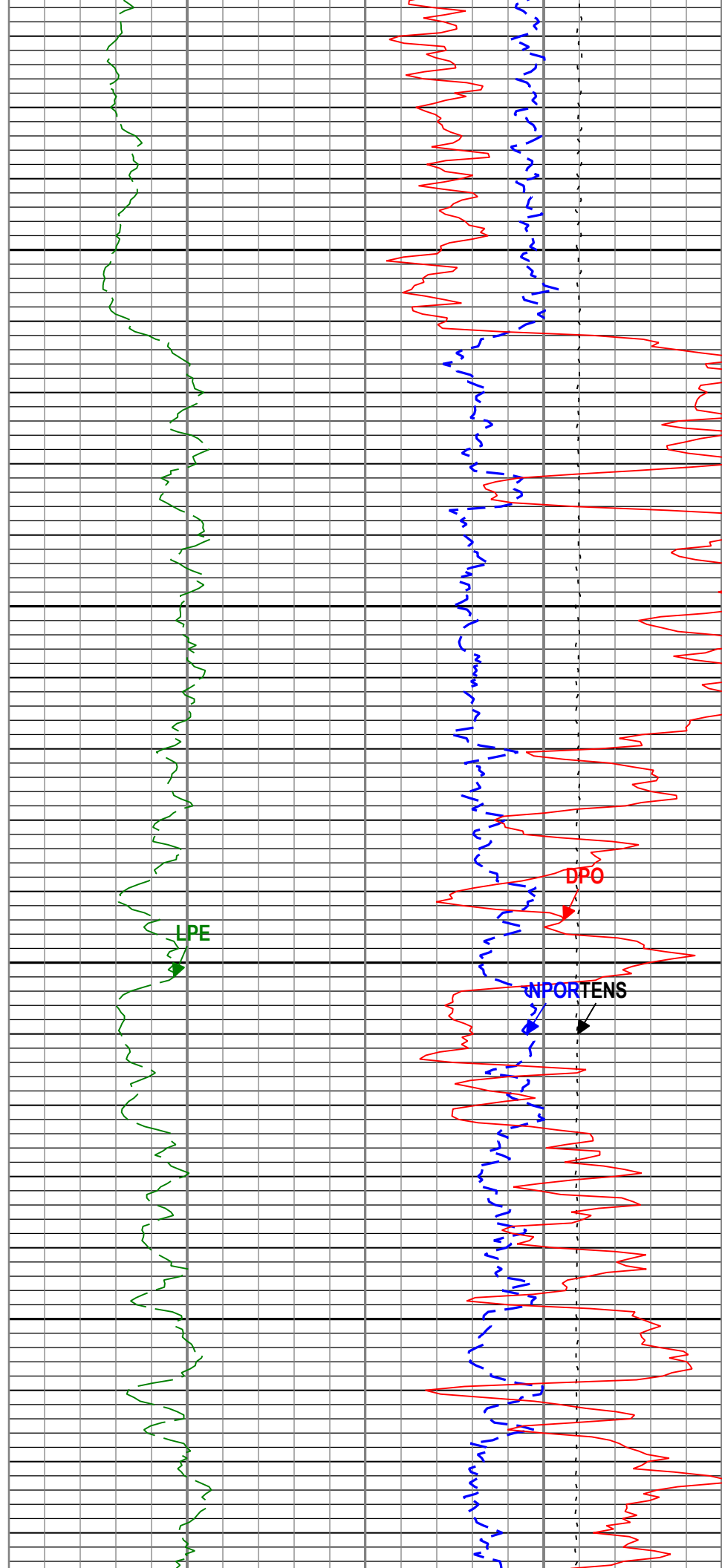
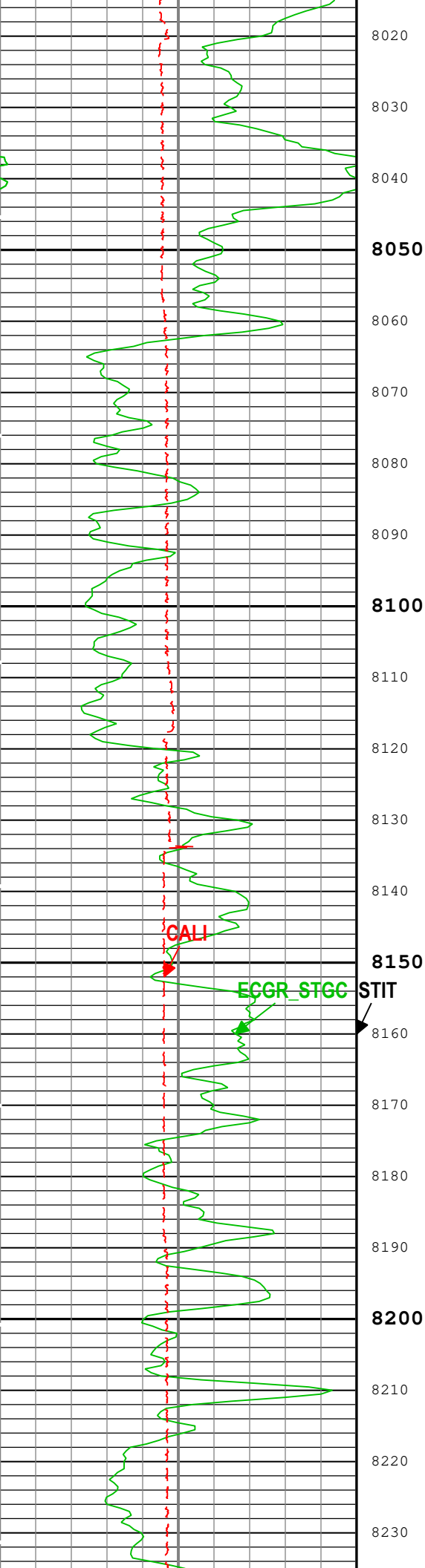


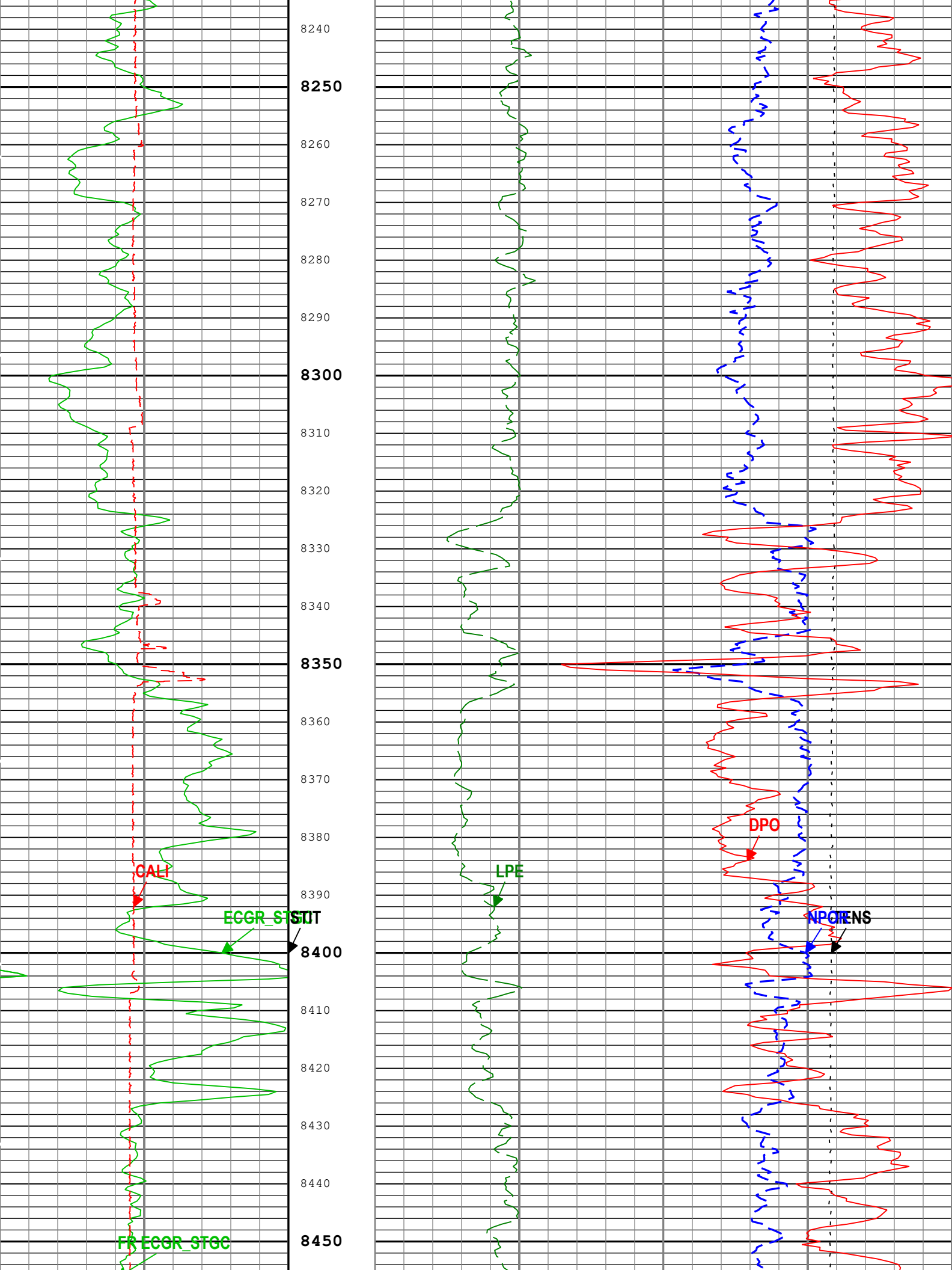


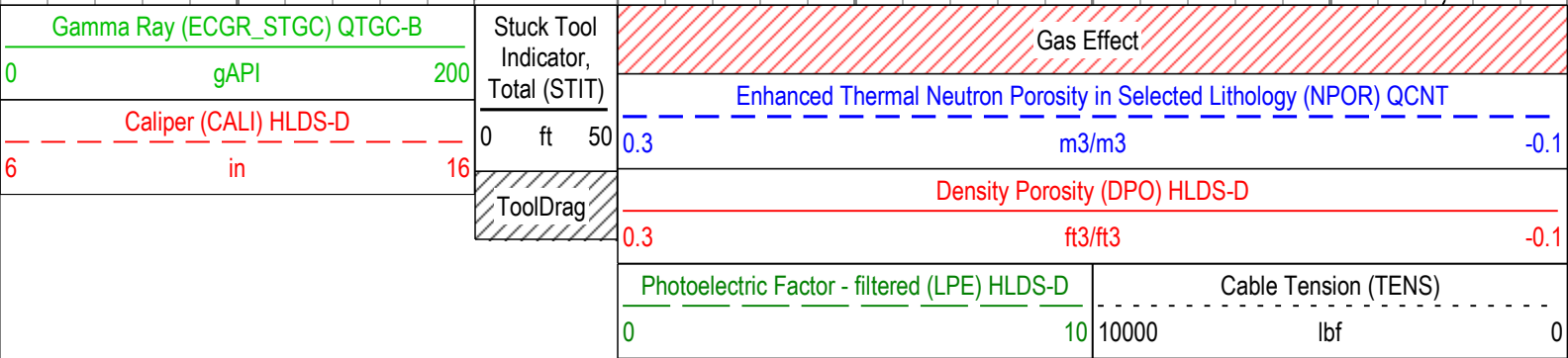
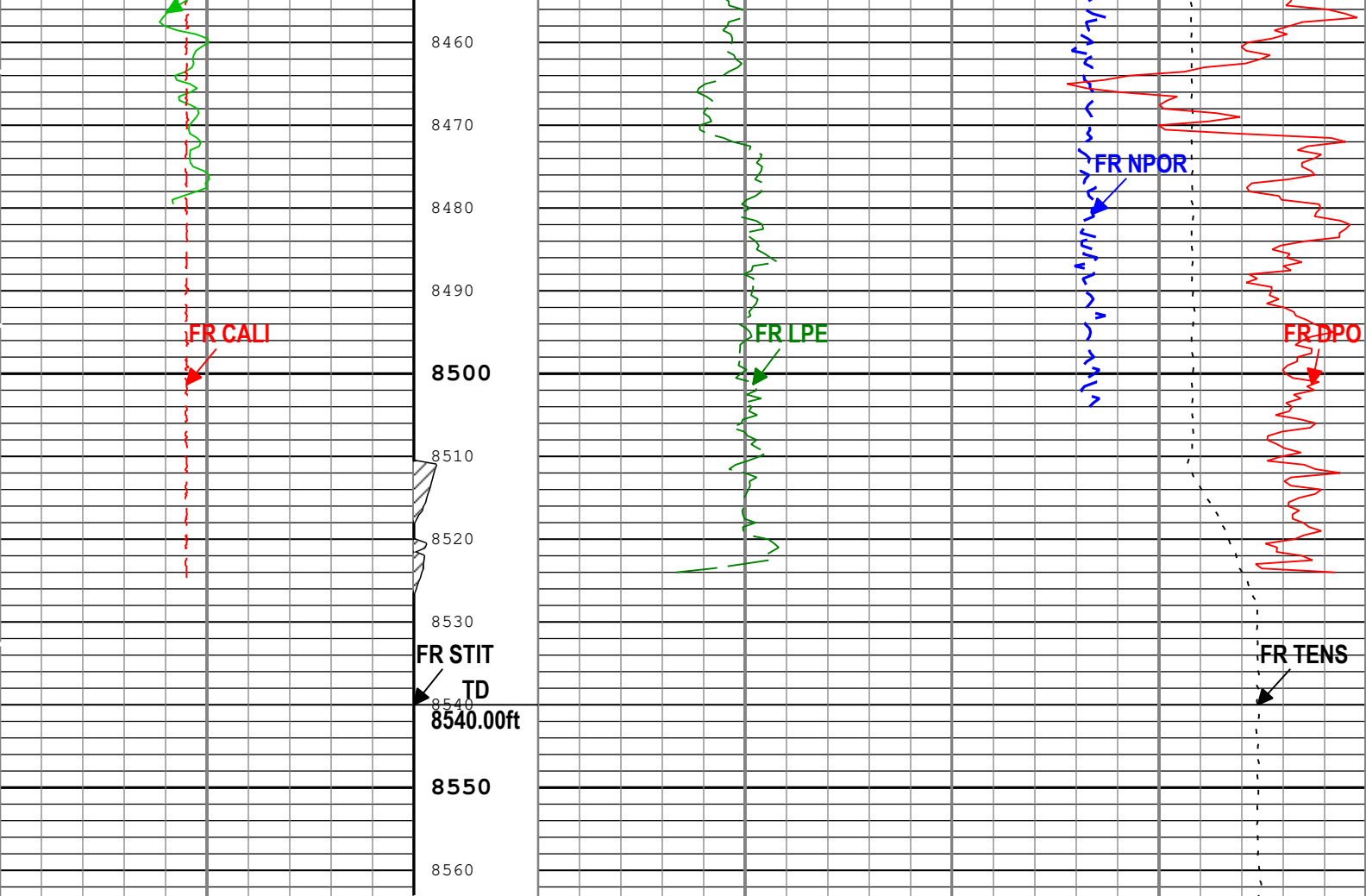












TIME\_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log ( Porosity-5 ) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 20-Jul-2021 01:38:24

| Channel Processing Parameters |                                      |                 |             |         |
|-------------------------------|--------------------------------------|-----------------|-------------|---------|
| 2A: Parameters                |                                      |                 |             |         |
| Parameter                     | Description                          | Tool            | Value       | Unit    |
| BARI(ISSBAR)                  | Barite Mud Presence Flag             | Borehole        | No          |         |
| BHS                           | Borehole Status (Open or Cased Hole) | Borehole        | Open        |         |
| BHT                           | Bottom Hole Temperature              | Borehole        | 353.72      | degF    |
| BS                            | Bit Size                             | WLSESSION       | Depth Zoned | in      |
| BSAL                          | Borehole Salinity                    | Borehole        | 0           | ppm     |
| CALI_SHIFT                    | CALI Supplementary Offset            | HLDS-D          | -0.217      | in      |
| CBLO                          | Casing Bottom (Logger)               | WLSESSION       | 2988        | ft      |
| DC_MODE                       | Depth Correction Mode                | DepthCorrection | Real-time   |         |
| DFD                           | Drilling Fluid Density               | Borehole        | 8.3         | lbm/gal |
| DFT_CATEGORY                  | Drilling Fluid Type                  | Borehole        | Water       |         |



|                |  |          |            |       |
|----------------|--|----------|------------|-------|
| DHC            | Density Hole Correction  | HLDS-D   | Bit Size   |       |
| FD             | Fluid Density  | Borehole | 1          | g/cm3 |
| FSAL           | Formation Salinity   | Borehole | 0          | ppm   |
| GCSE_DOWN_PASS | Generalized Caliper Selection for WL Log Down Passes                     | Borehole | BS(RT)     |       |
| GCSE_UP_PASS   | Generalized Caliper Selection for WL Log Up Passes                       | Borehole | CALI       |       |
| GTSE           | Generalized Temperature Selection, from Measured or Computed Temperature | Borehole | MTEM       |       |
| LATC           | Activation Correction Switch   | HLDS-D   | On         |       |
| MATR           | Rock Matrix for Neutron Porosity Corrections                             | Borehole | LIMESTONE  |       |
| MDEN           | Matrix Density for Density Porosity                                      | Borehole | 2.71       | g/cm3 |
| MFST           | Mud Filtrate Sample Temperature  | Borehole | 95         | degF  |
| MST            | Mud Sample Temperature   | Borehole | 95         | degF  |
| RMFS           | Resistivity of Mud Filtrate Sample                                       | Borehole | 2.13       | ohm.m |
| RMS            | Resistivity of Mud Sample  | Borehole | 2.84       | ohm.m |
| SOCN           | Standoff Distance of the Gamma Ray Tool                                  | QTGC-B   | 0          | in    |
| TD             | Total Measured Depth   | Borehole | 8540       | ft    |
| TPOS_STGC      | Tool Position: Centered or Eccentered                                    | QTGC-B   | Eccentered |       |

| Depth Zone Parameters |        |              |             |
|-----------------------|--------|--------------|-------------|
| Parameter             | Value  | Start ( ft ) | Stop ( ft ) |
| BS                    | 14.77  | 2970         | 2989        |
| BS                    | 10.625 | 2989         | 8514        |
| BS                    | 8.75   | 8514         | 8540        |
| All depth are actual. |        |              |             |

| Tool Control Parameters |  |
|-------------------------|--|
|                         |  |

| 2A: Parameters |                                  |           |       |      |
|----------------|----------------------------------|-----------|-------|------|
| Parameter      | Description                      | Tool      | Value | Unit |
| MAX_LOG_SPEED  | Toolstring Maximum Logging Speed | WLSESSION | 1800  | ft/h |

| 2A         |  |  |  |  |  |  |  |  |  |
|------------|--|--|--|--|--|--|--|--|--|
|            |  |  |  |  |  |  |  |  |  |
| 5" Density |  |  |  |  |  |  |  |  |  |

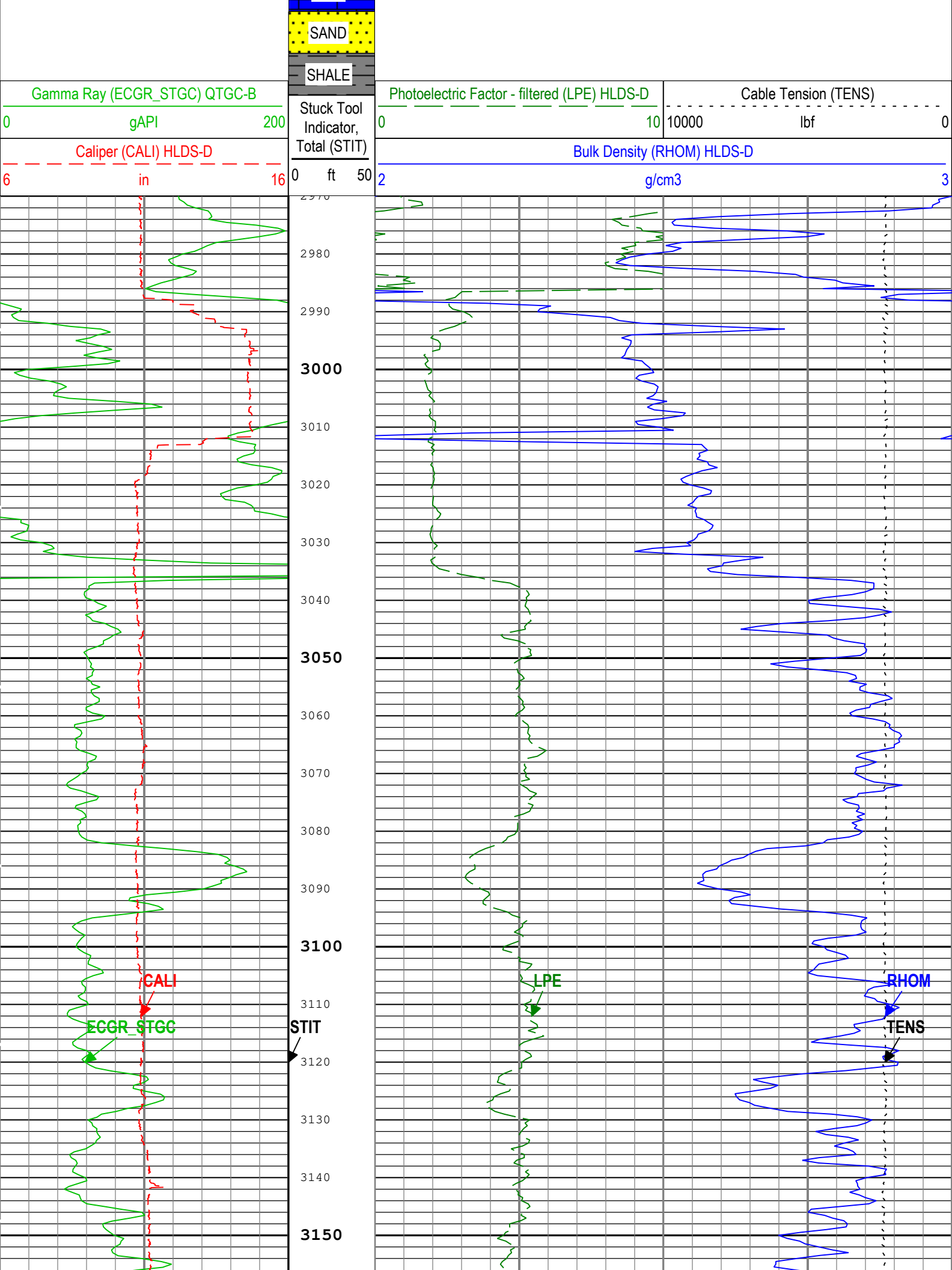
| Pass Summary |                |           |            |            |                        |                        |          |             |                       |
|--------------|----------------|-----------|------------|------------|------------------------|------------------------|----------|-------------|-----------------------|
| Run Name     | Pass Objective | Direction | Top        | Bottom     | Start                  | Stop                   | DSC Mode | Depth Shift | Include Parallel Data |
| 2A           | Log[2]:Up      | Up        | 2858.91 ft | 8563.43 ft | 19-Jul-2021 3:16:18 PM | 19-Jul-2021 6:22:02 PM | ON       | 3.65 ft     | Yes                   |

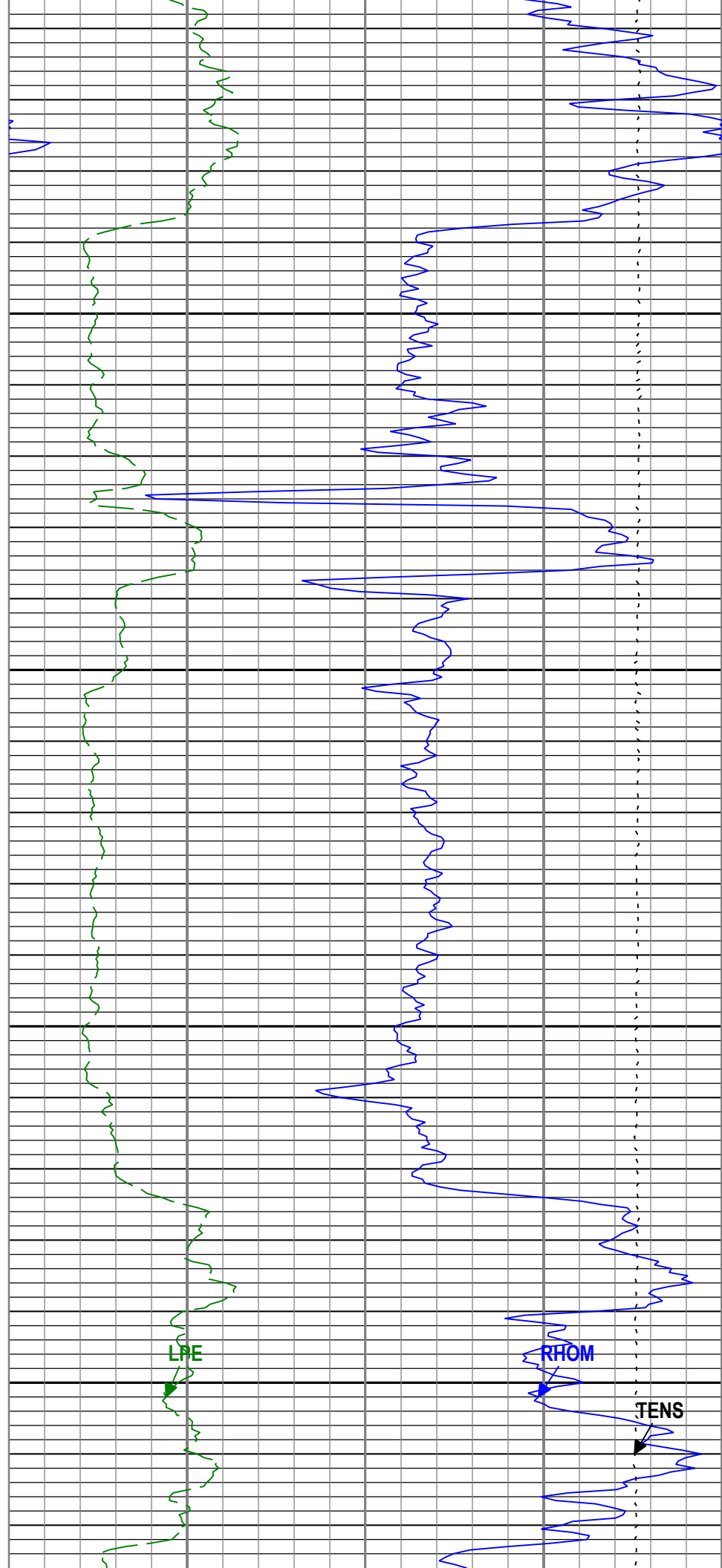
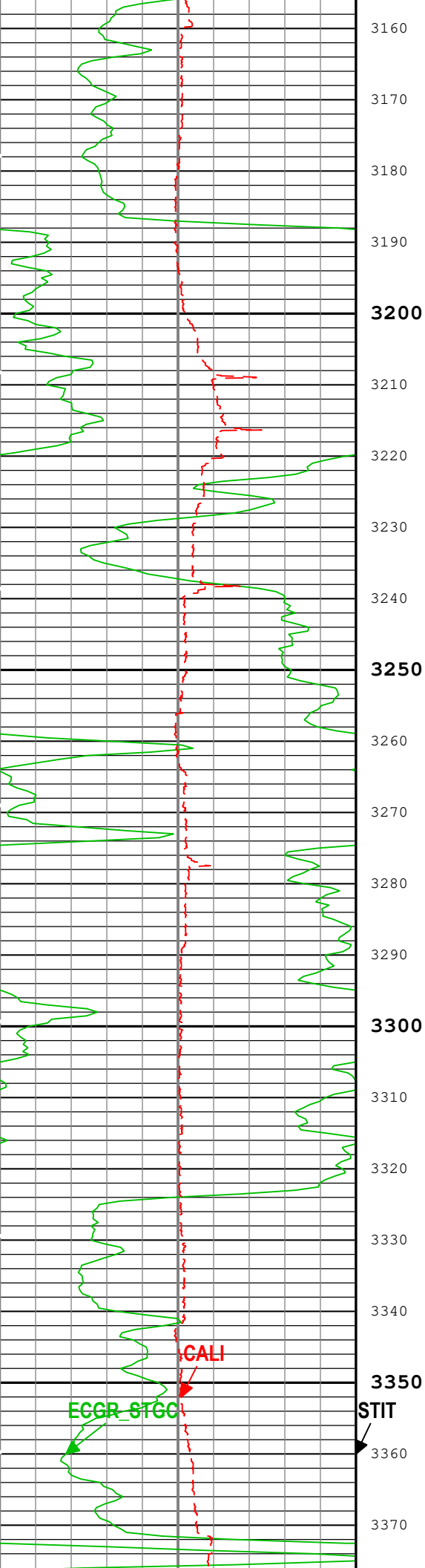
| All depths are referenced to toolstring zero |   |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|
| Log  | <div> <div>Company:University Of Utah</div> <div>Well:FORGE 78B-32</div> <div>2A: Log[2]:Up:S016</div> </div> |  |  |  |  |  |  |  |  |

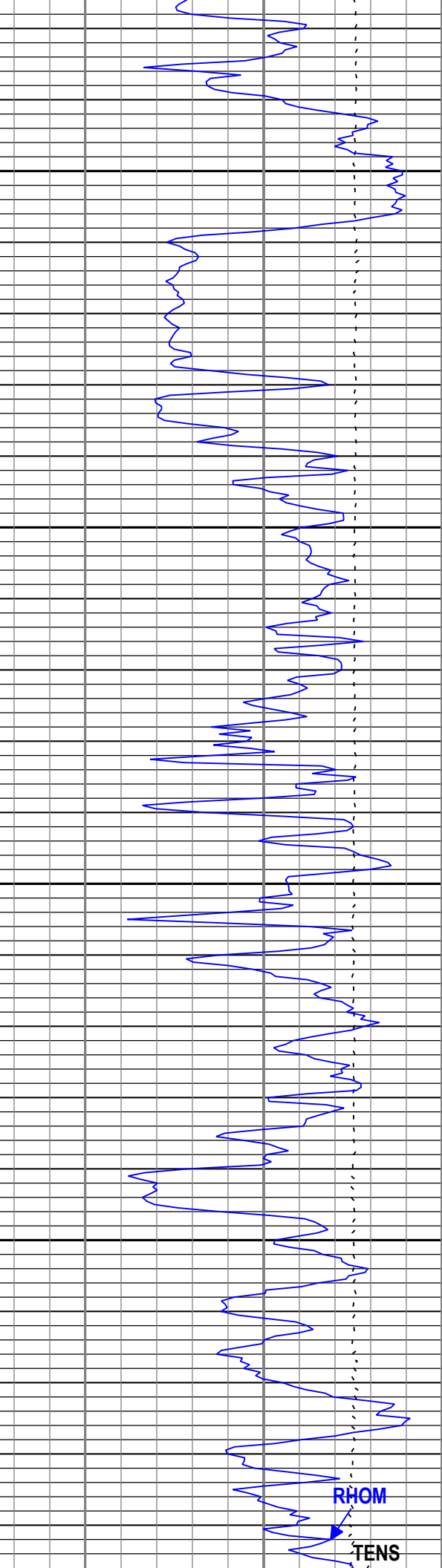
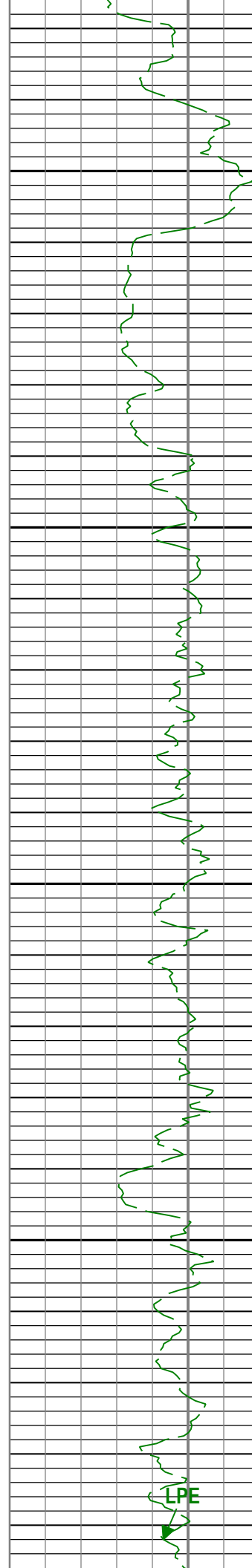
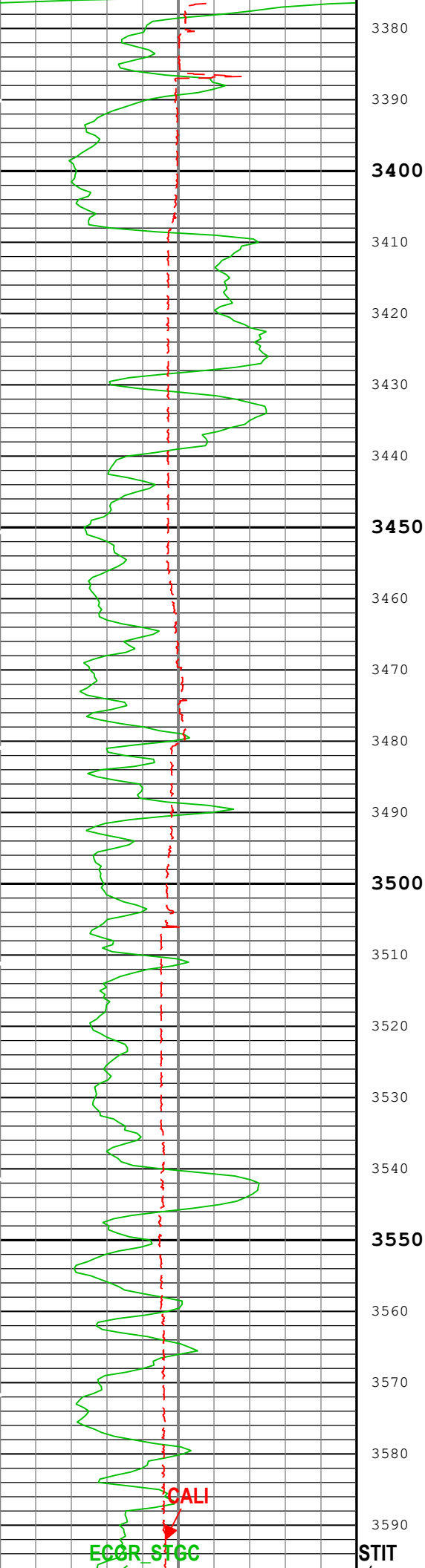
Description: HGNS standard resolution porosities for Platform Express
Format: Log ( Density-5 )
Index Scale: 5 in per 100 ft
Index Unit: ft
Index Type: Measured Depth
Creation Date: 20-Jul-2021 01:38:30

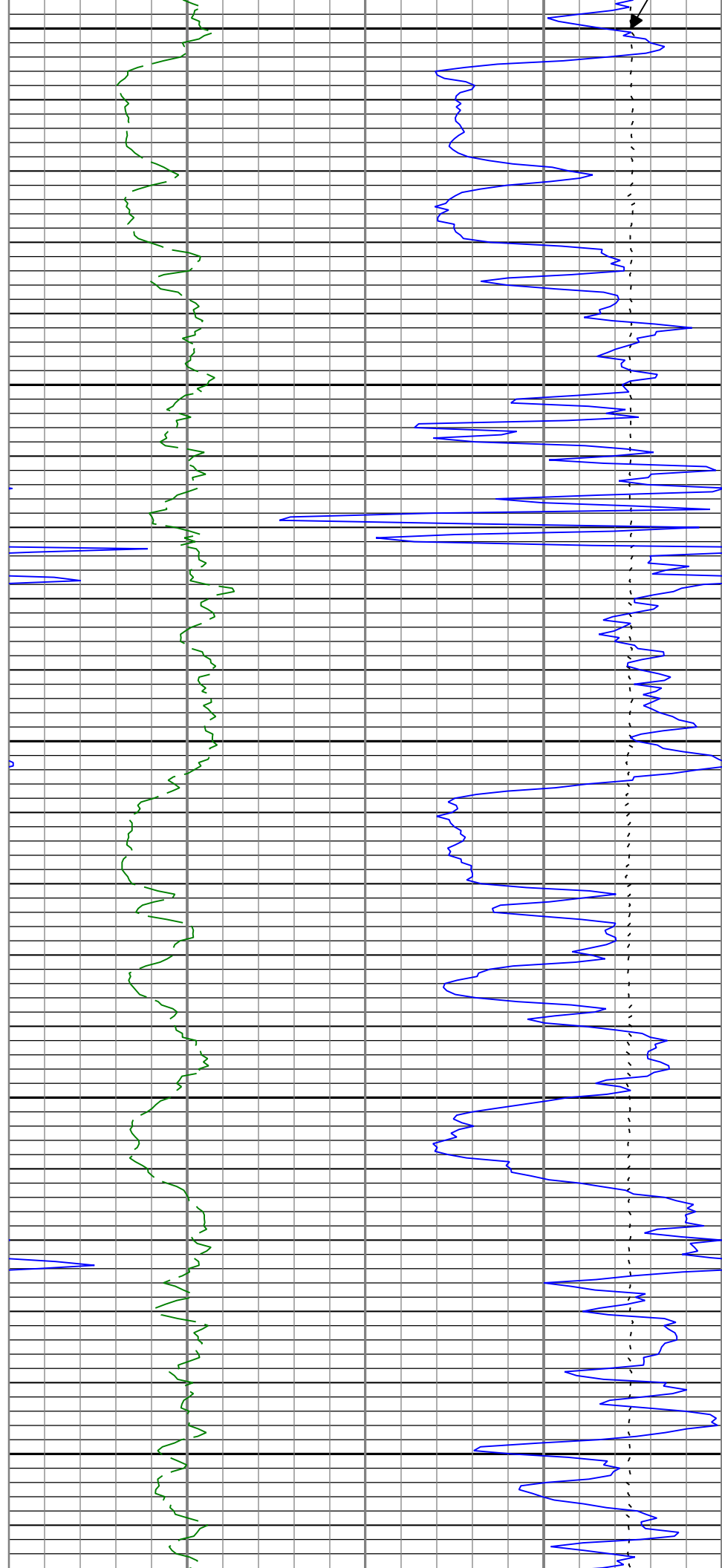
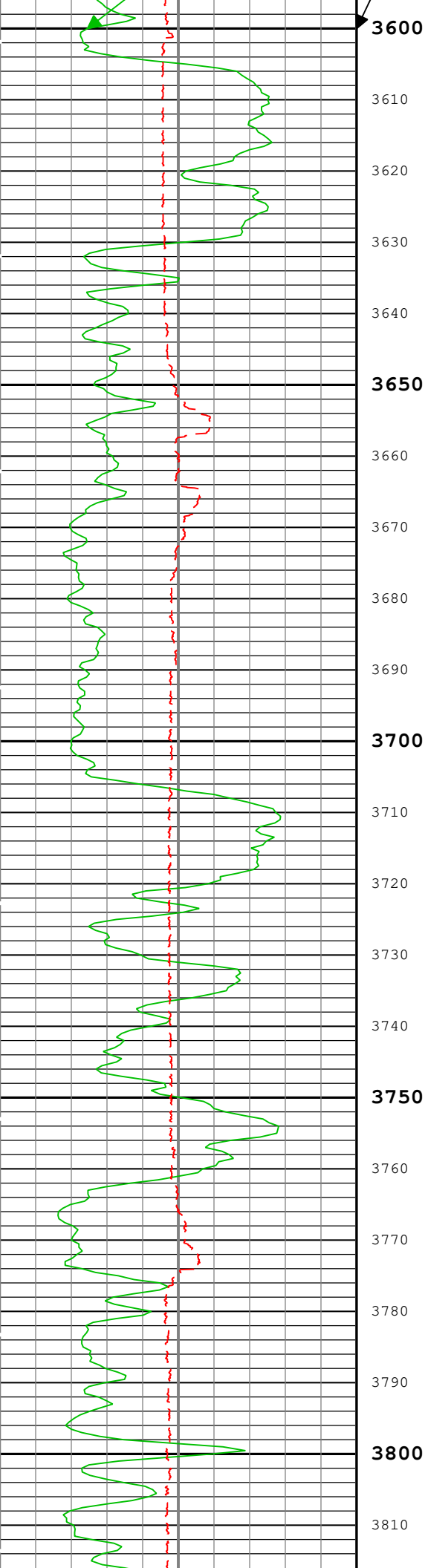
| Channel   | Source                           | Sampling |
|-----------|----------------------------------|----------|
| CALI      | HLDS-D:HLDS-Sonde Segment:HLDS-D | 1in      |
| GR        | QTGC-B:QTGC-B:STGC-B             | 6in      |
| PEF       | HLDS-D:HLDS-Sonde Segment:HLDS-D | 6in      |
| RHOB      | HLDS-D:HLDS-Sonde Segment:HLDS-D | 6in      |
| STIT      | DepthCorrection                  | 6in      |
| TENS      | WLWorkflow                       | 6in      |
| TIME_1900 | WLWorkflow                       | 0.1in    |

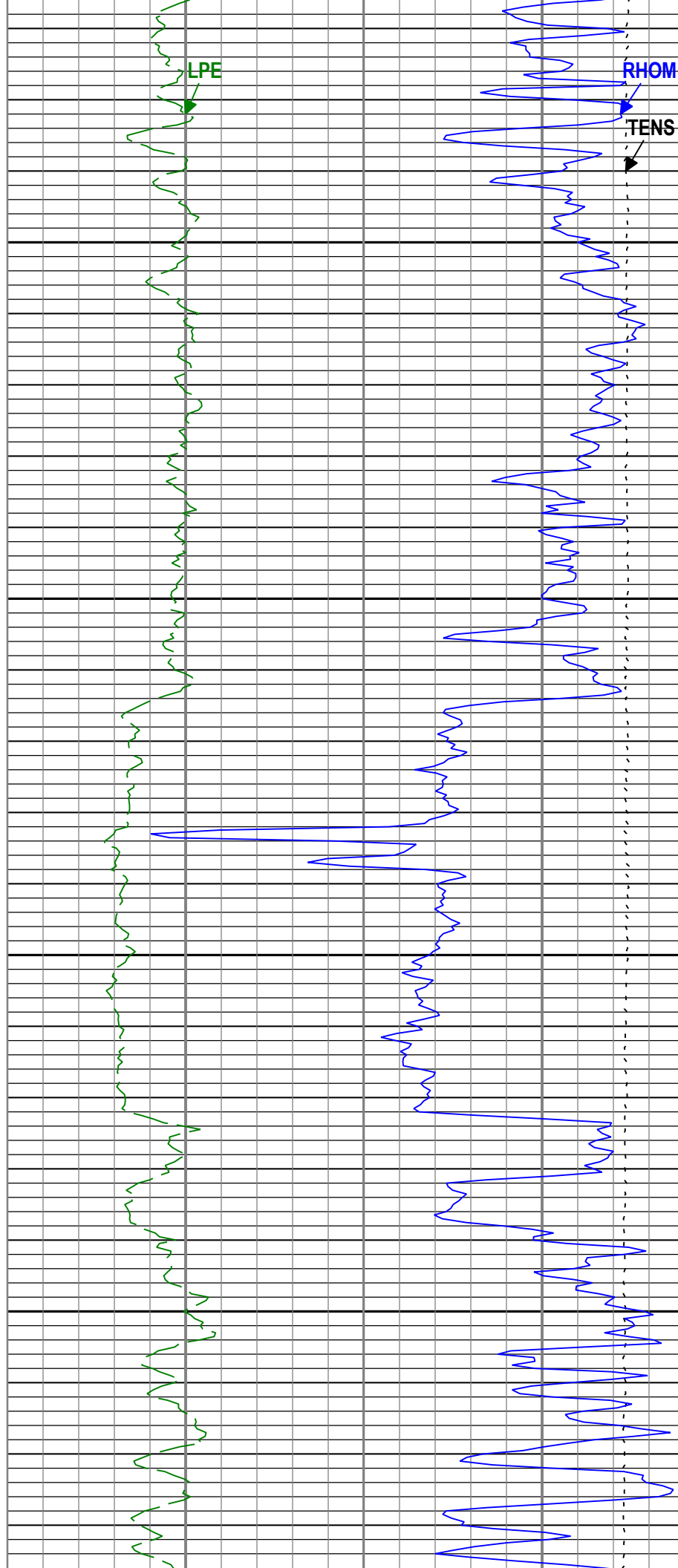
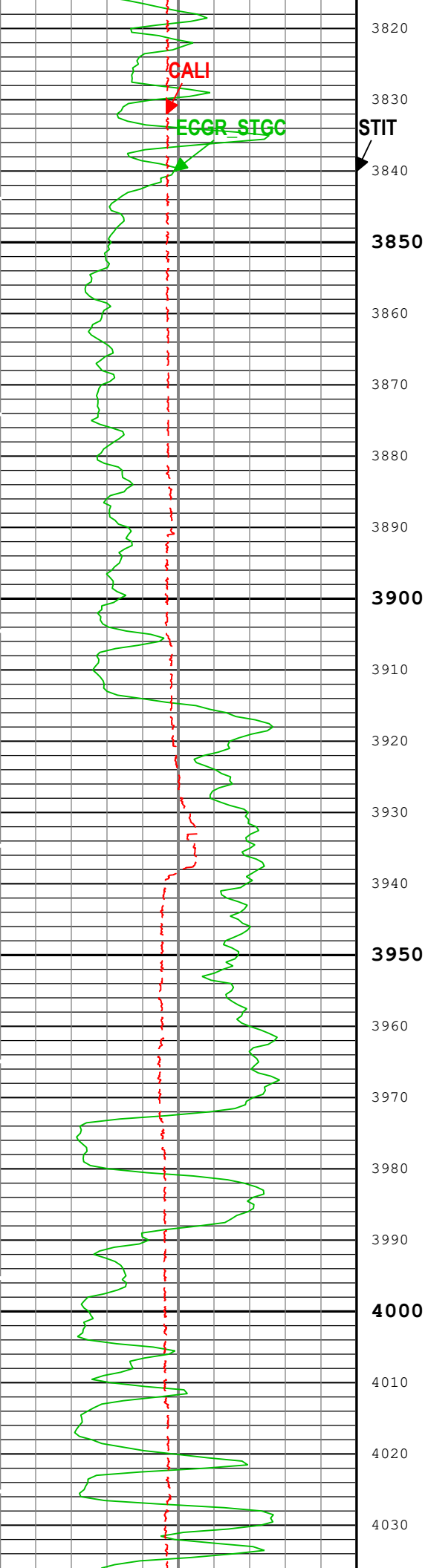
|   |  |   |
|---|--|---|
| TIME_1900 - Time Marked every 60.00 (s) |  |   |
|   |  |  |

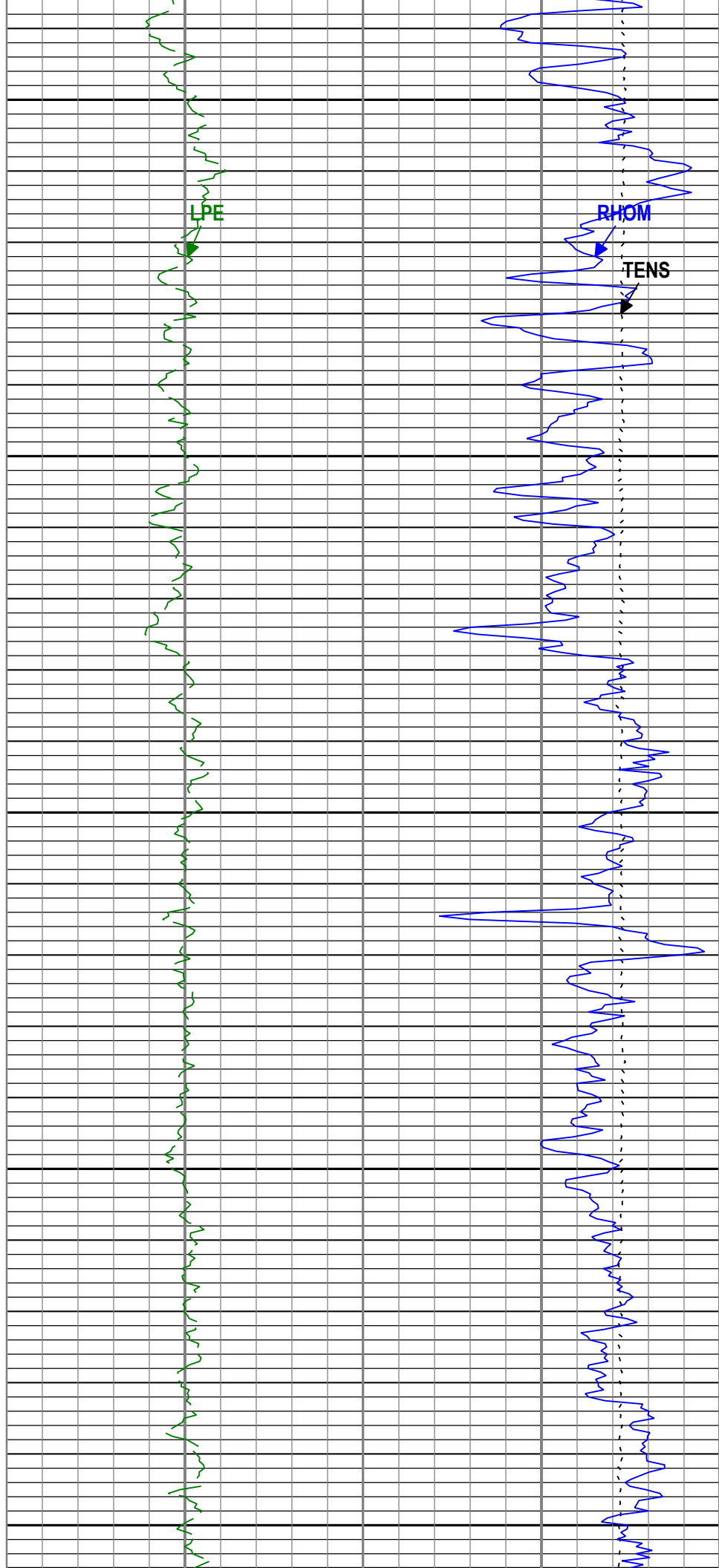
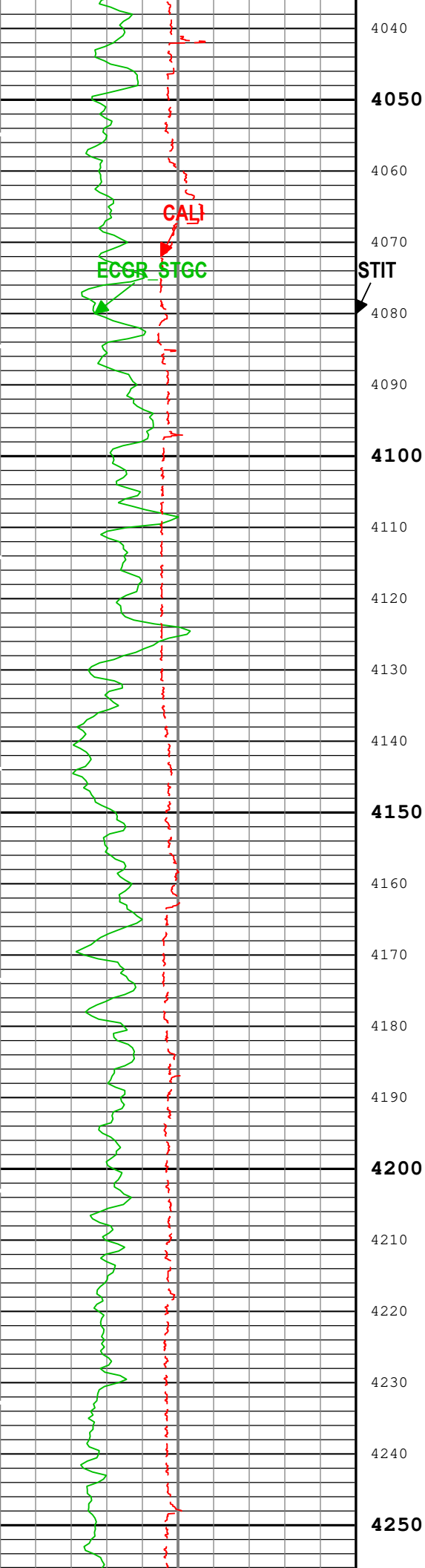


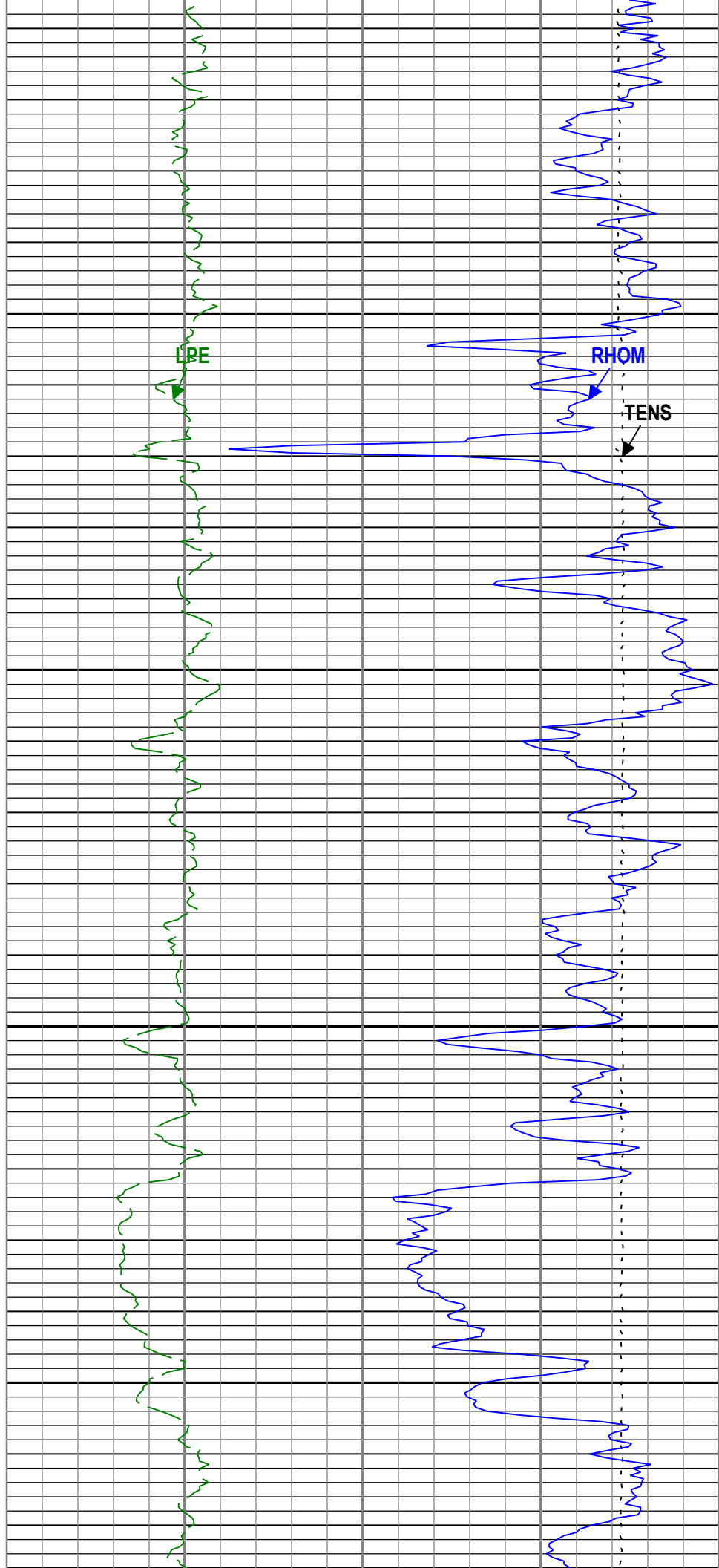
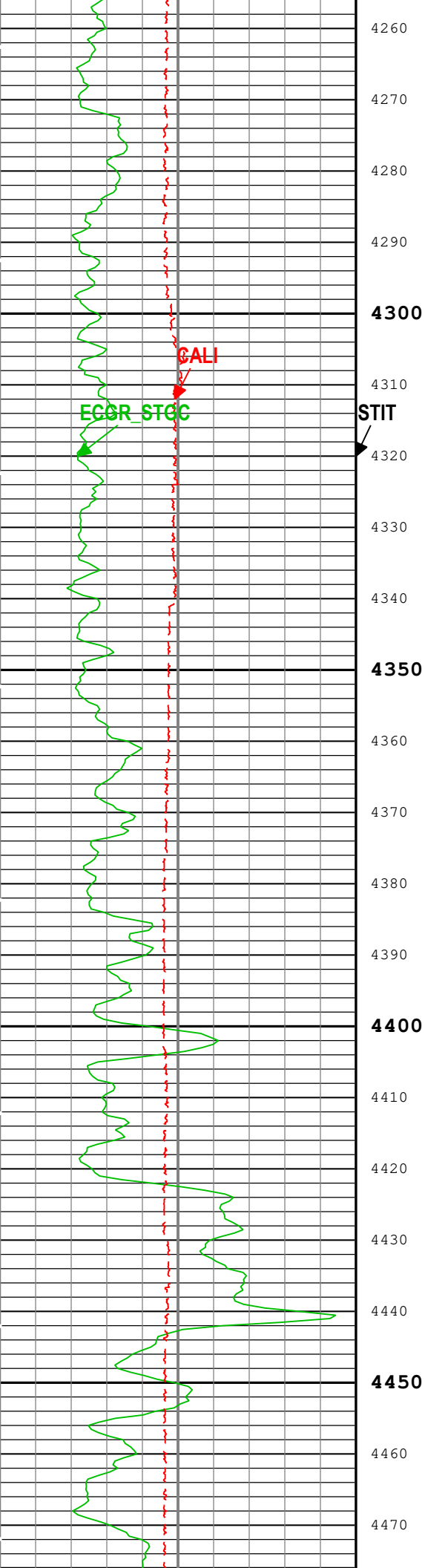




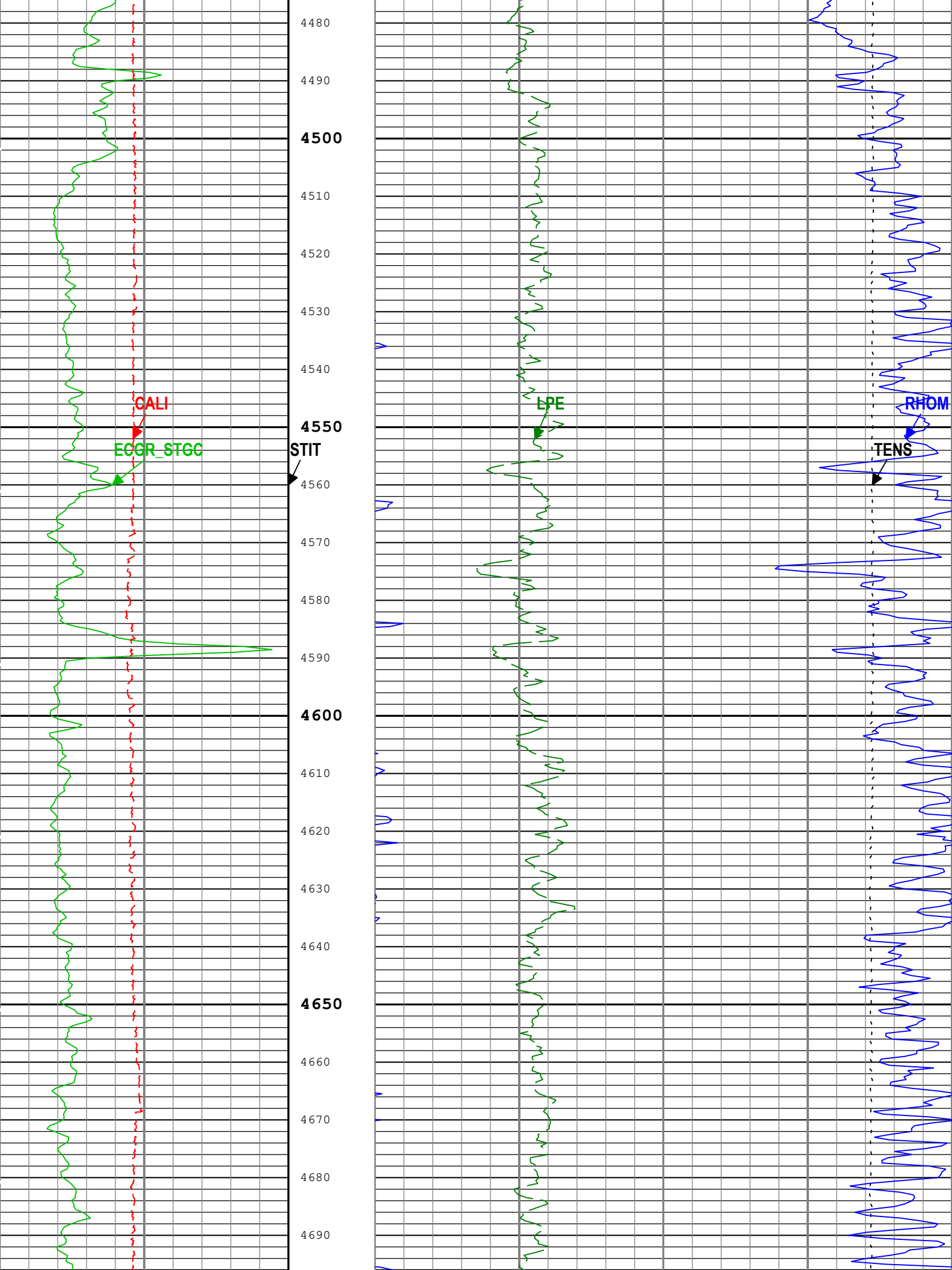


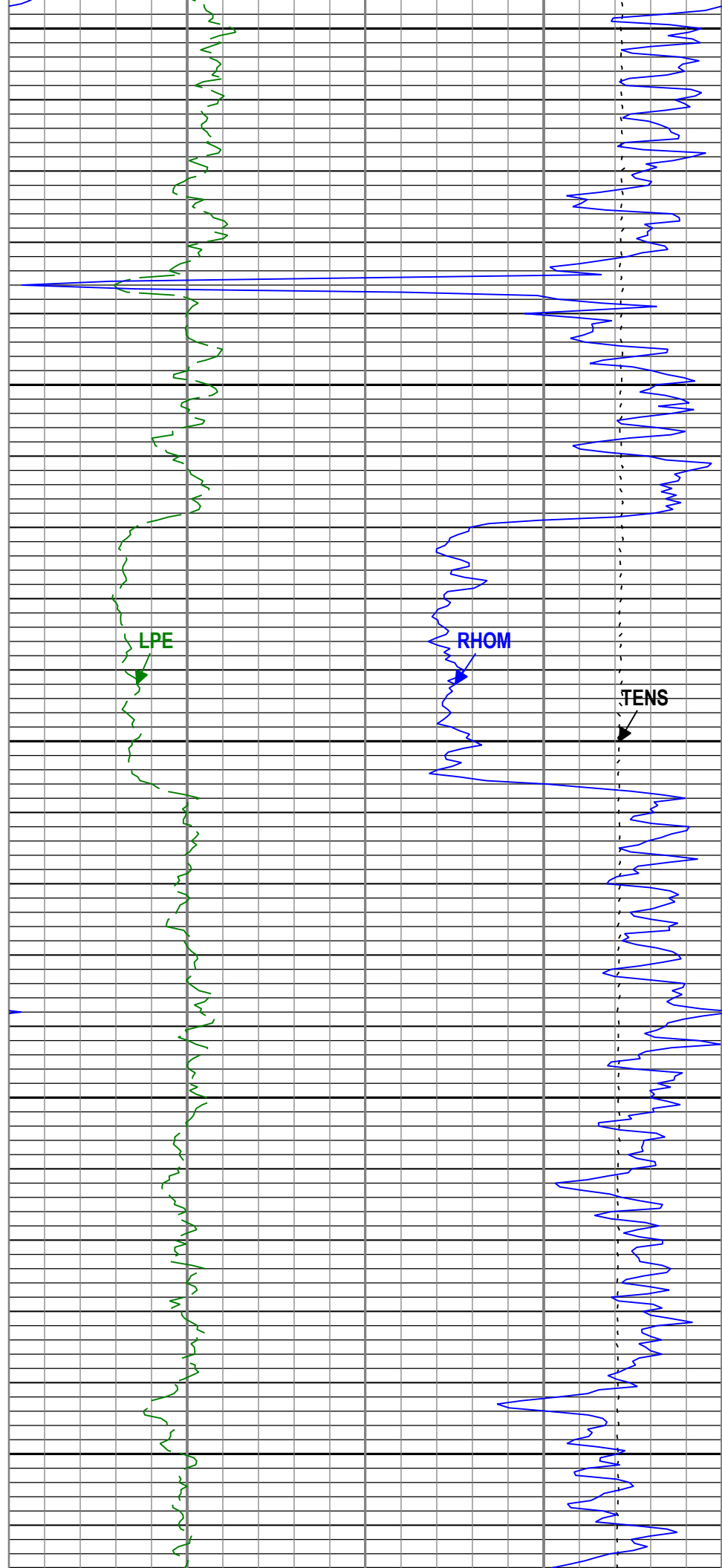
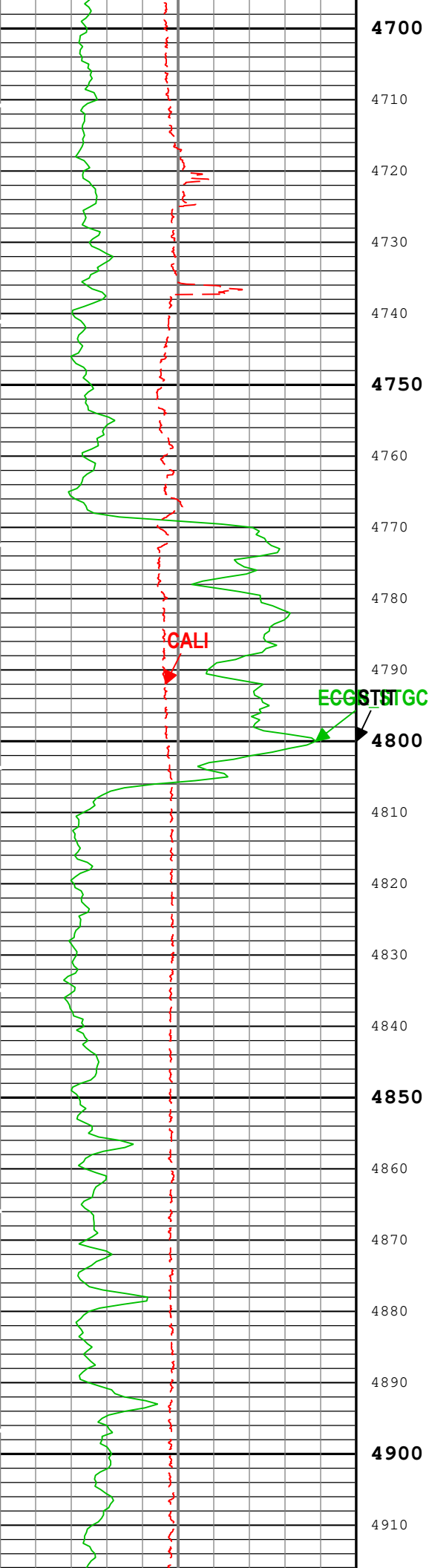


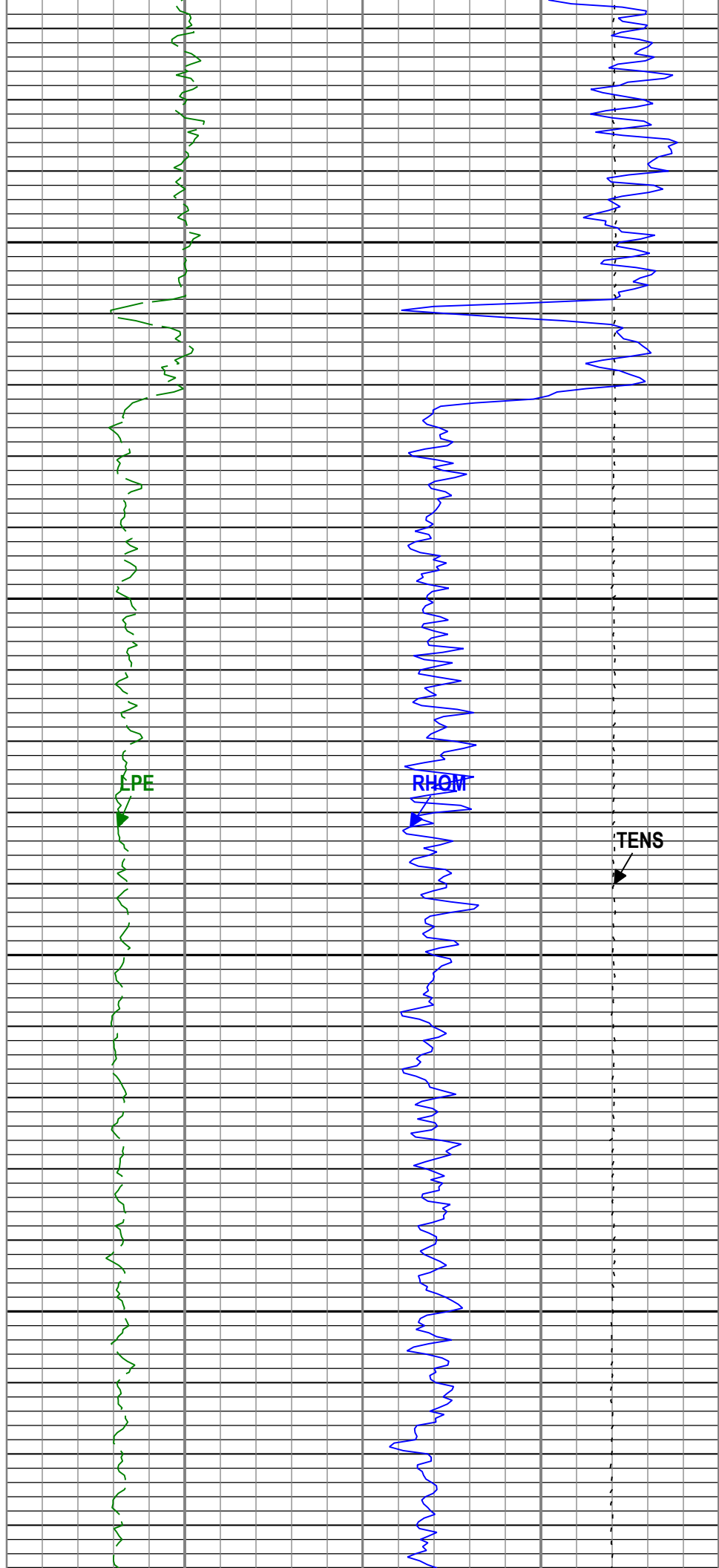
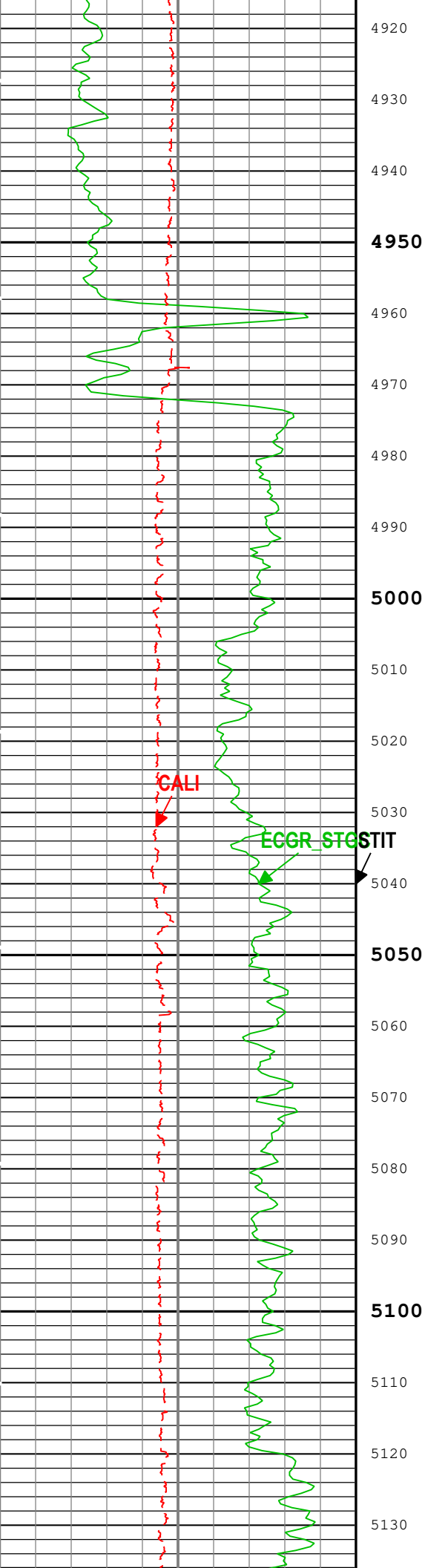


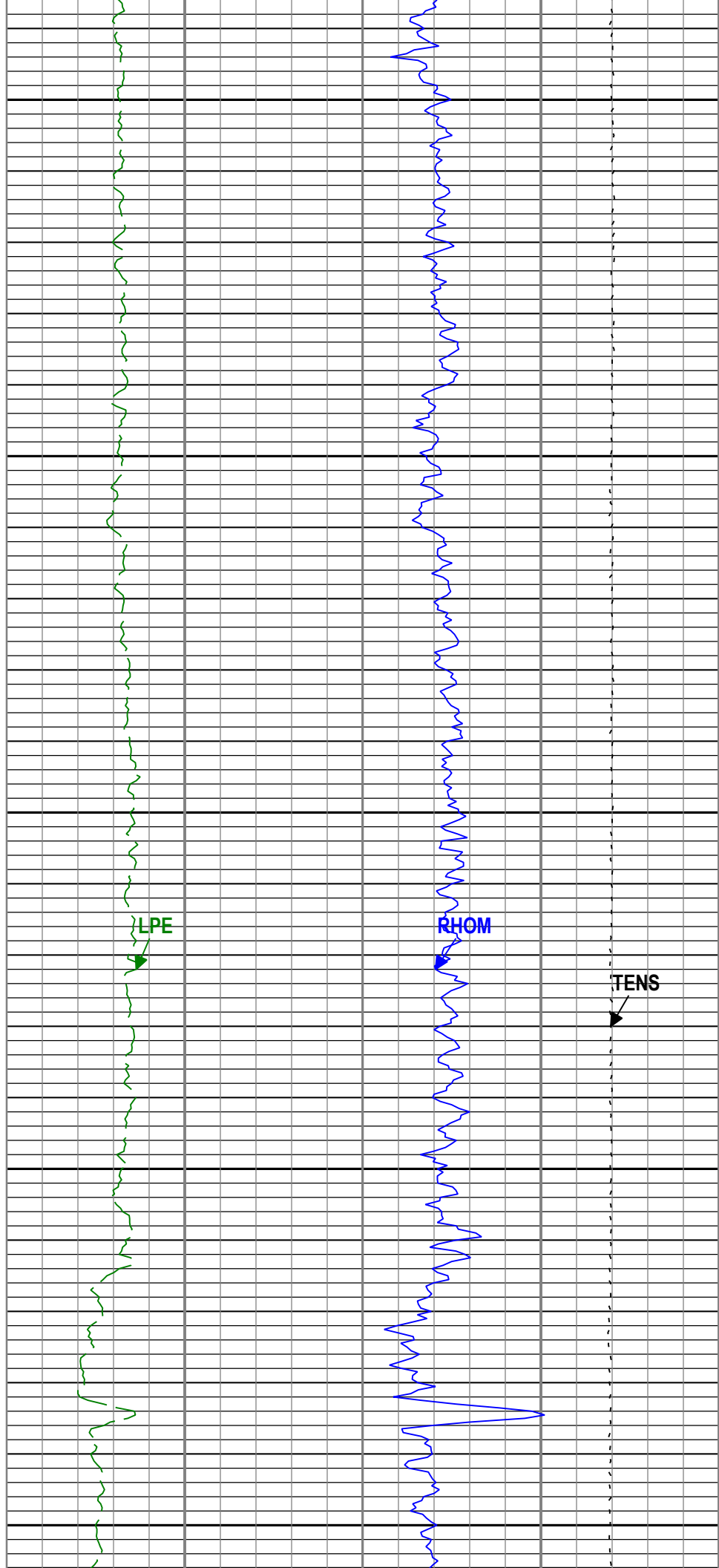
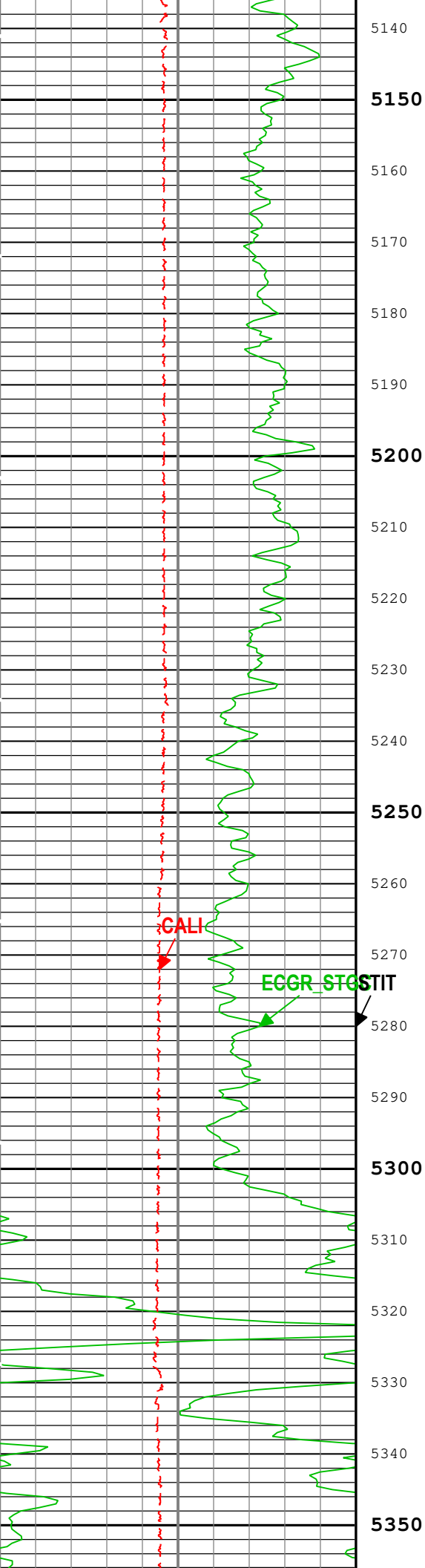


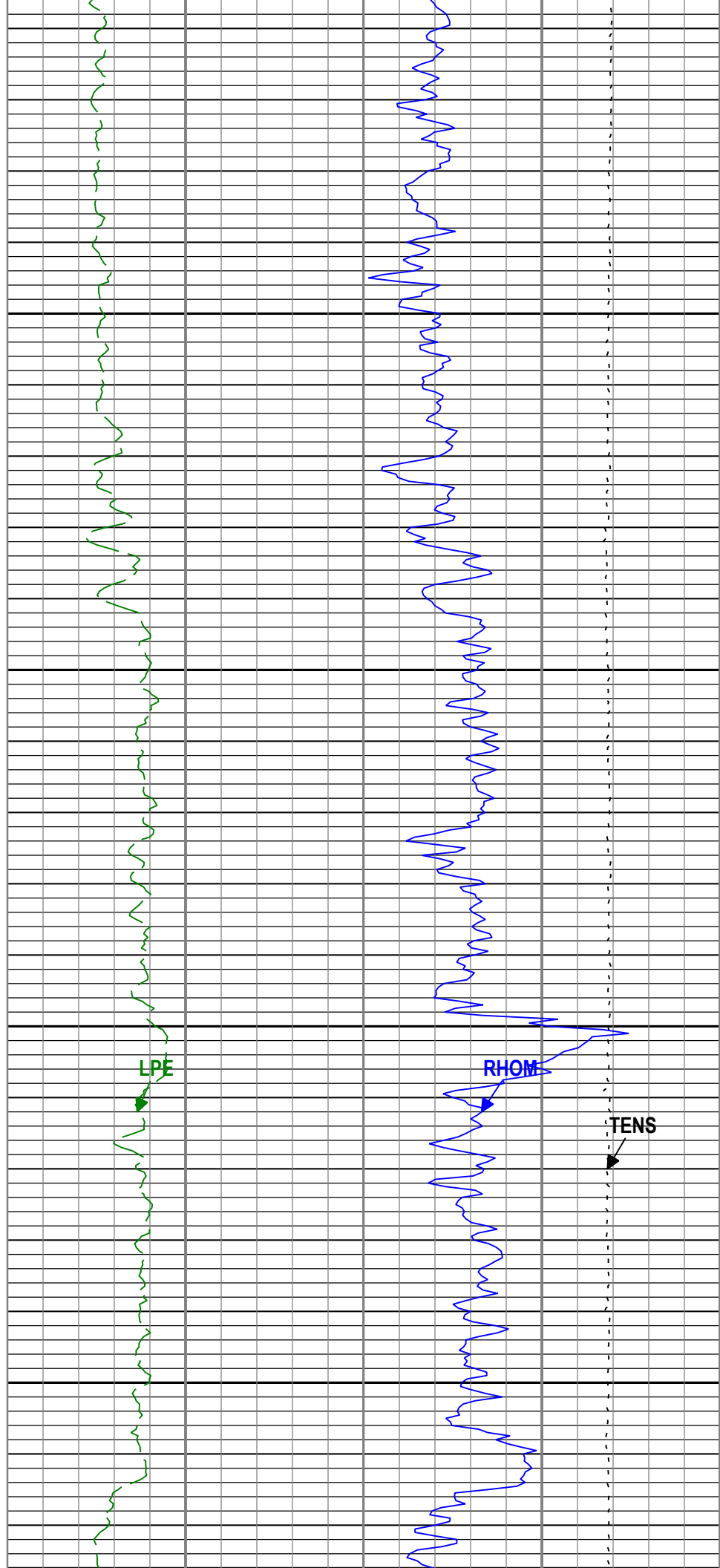
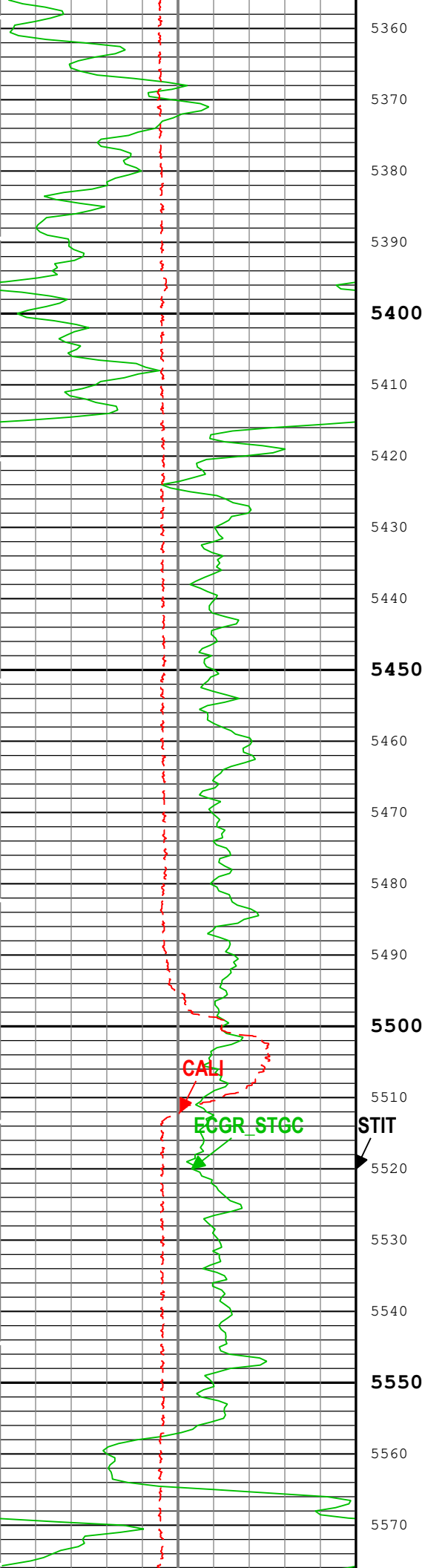


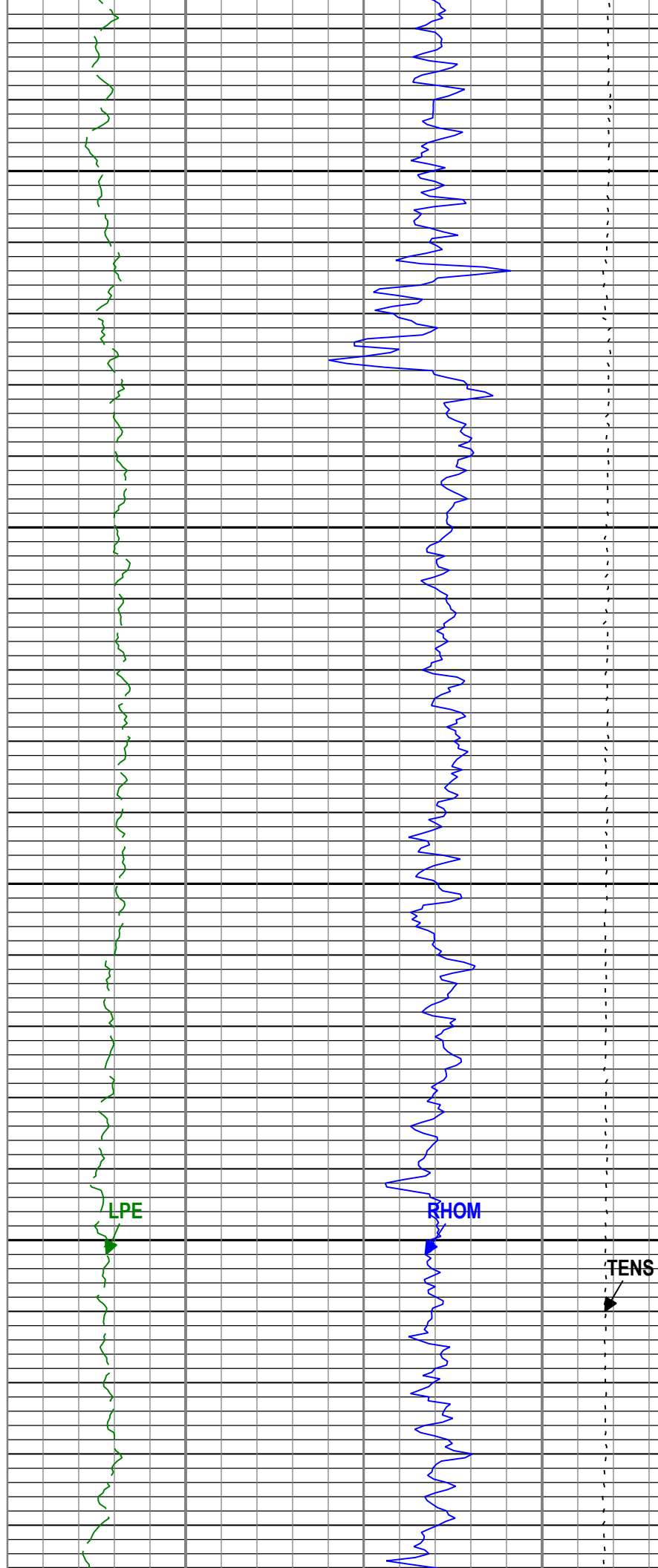
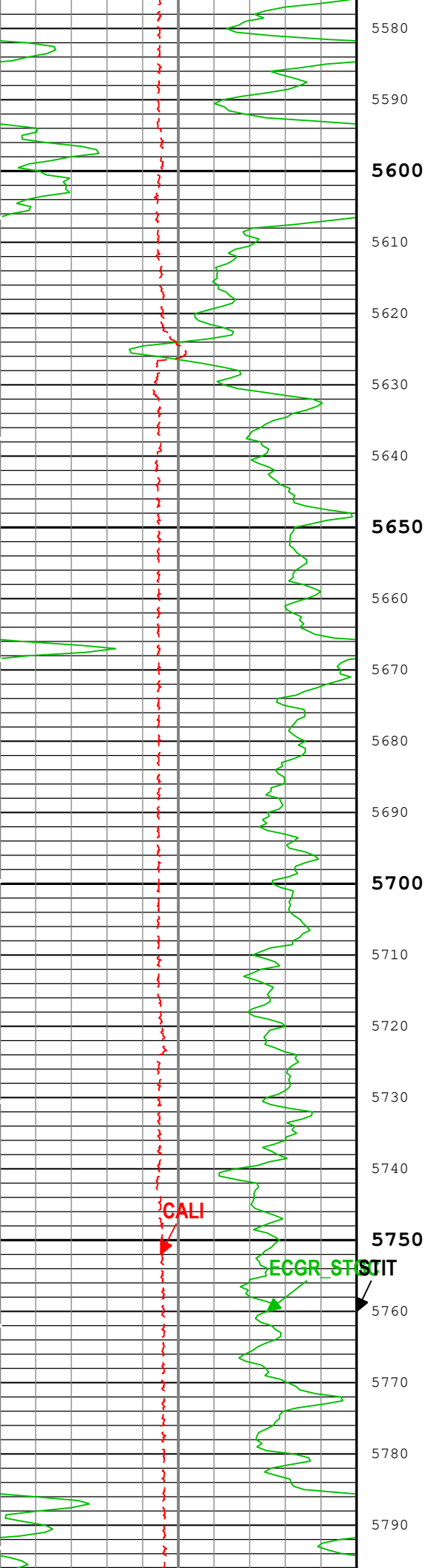


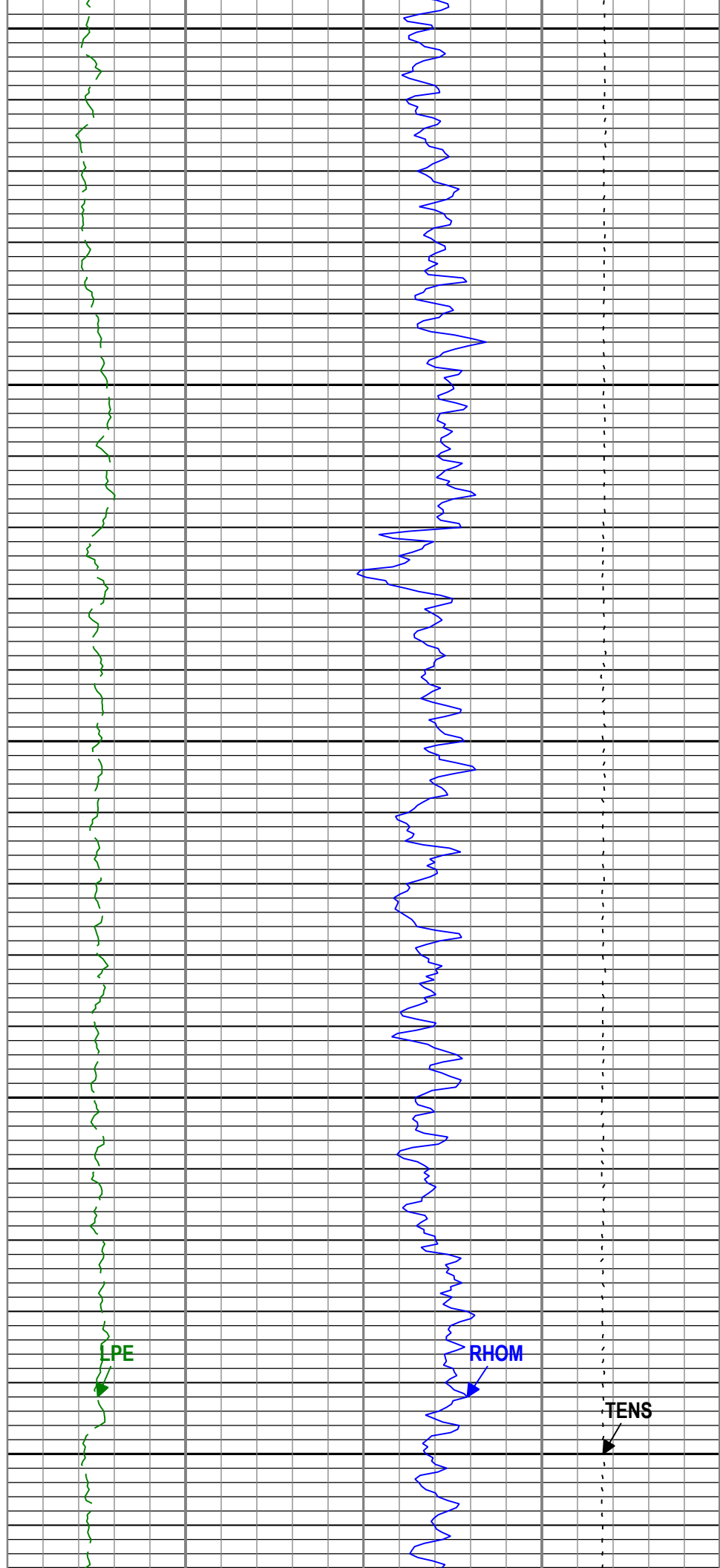
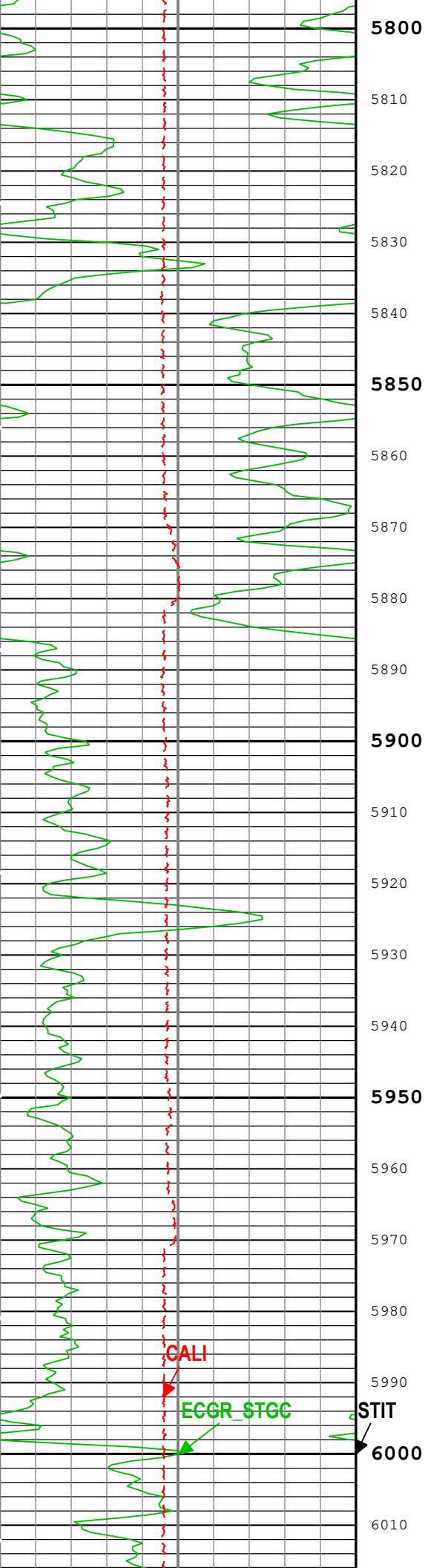


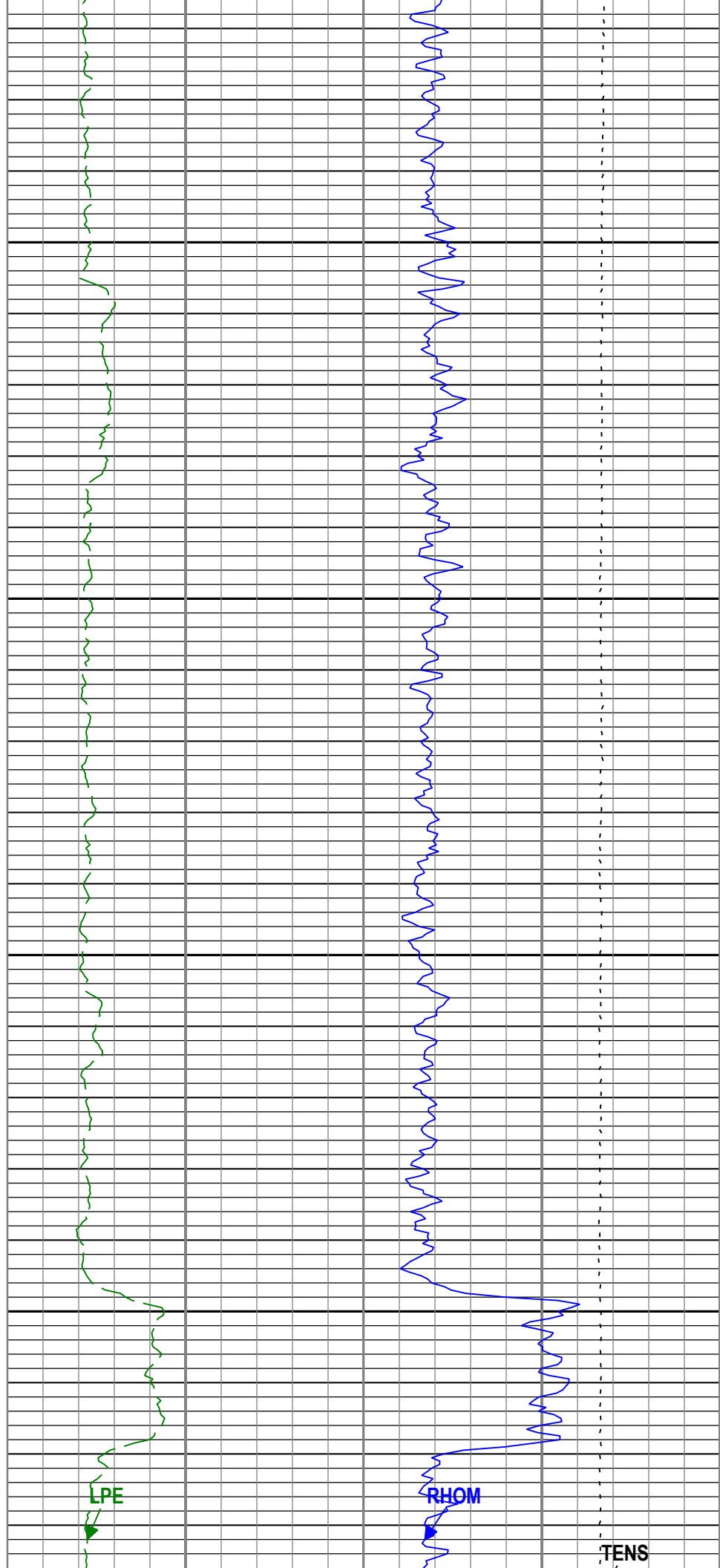
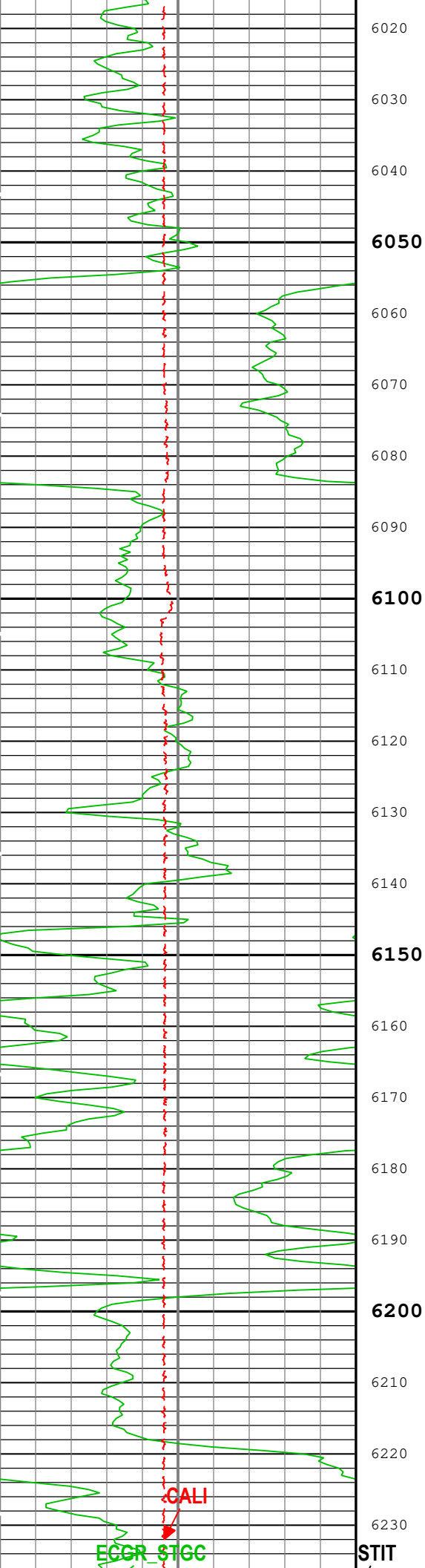




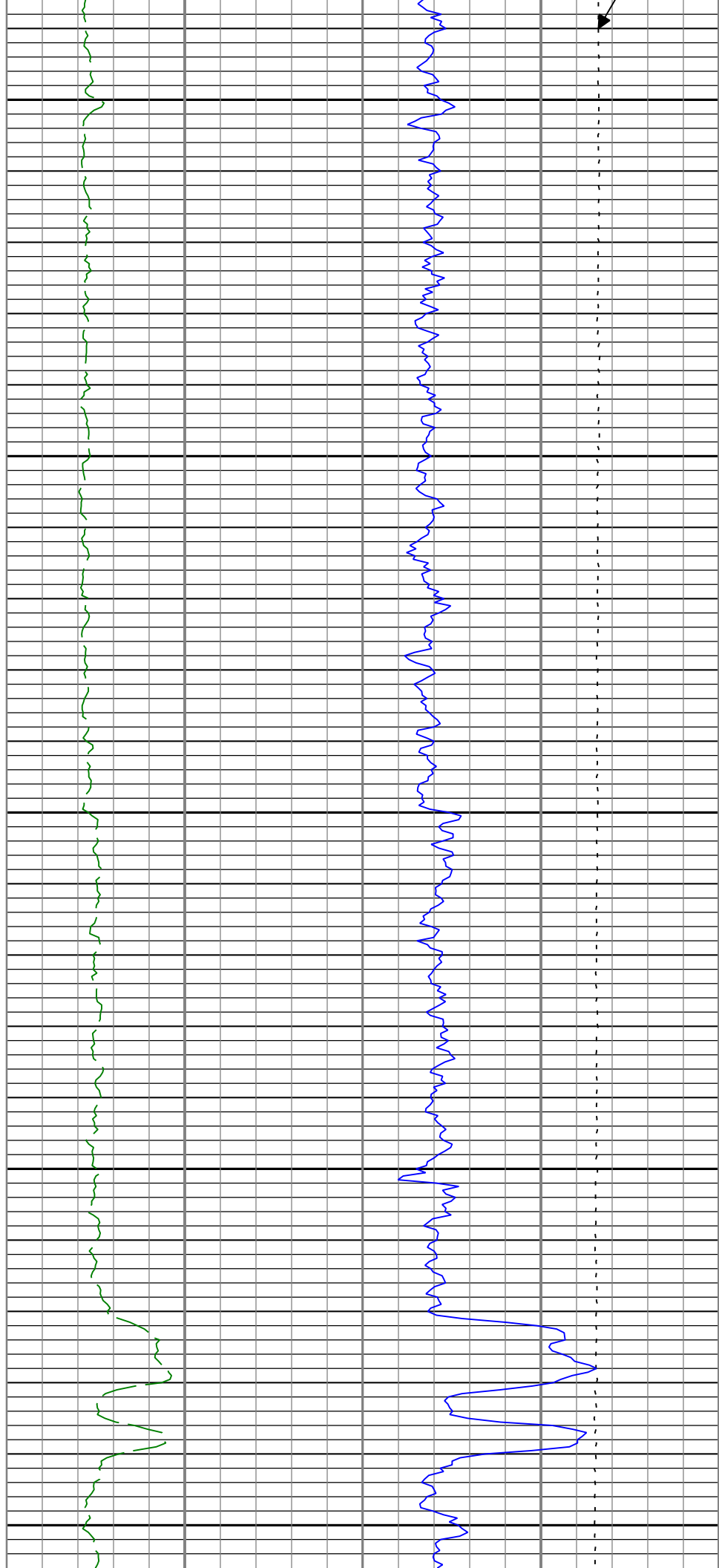
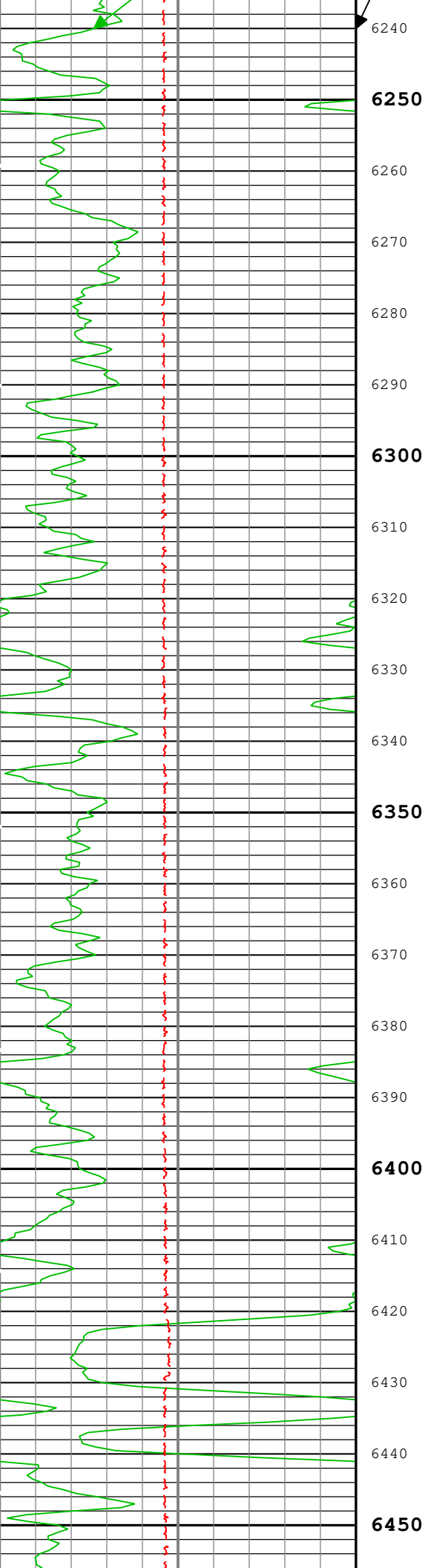


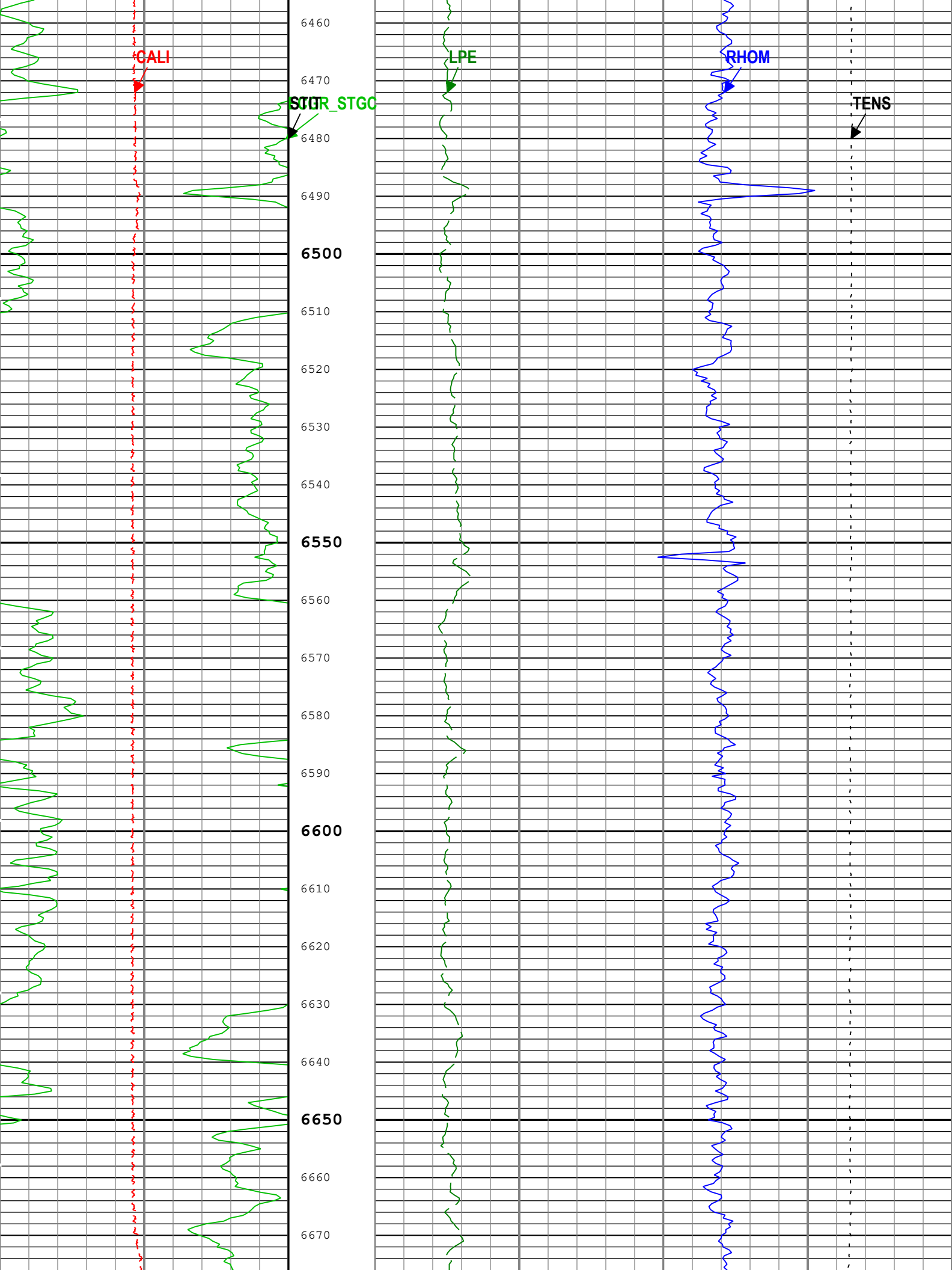


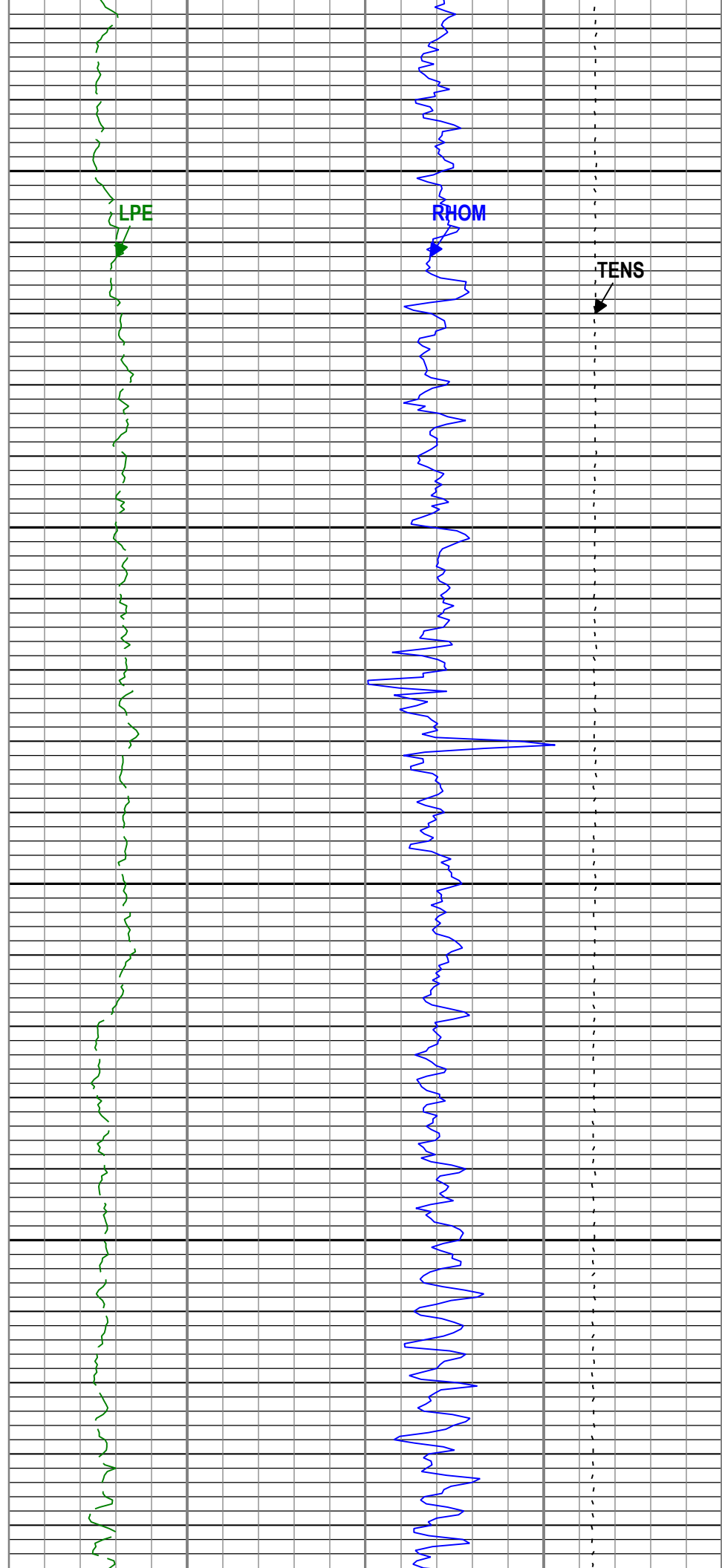
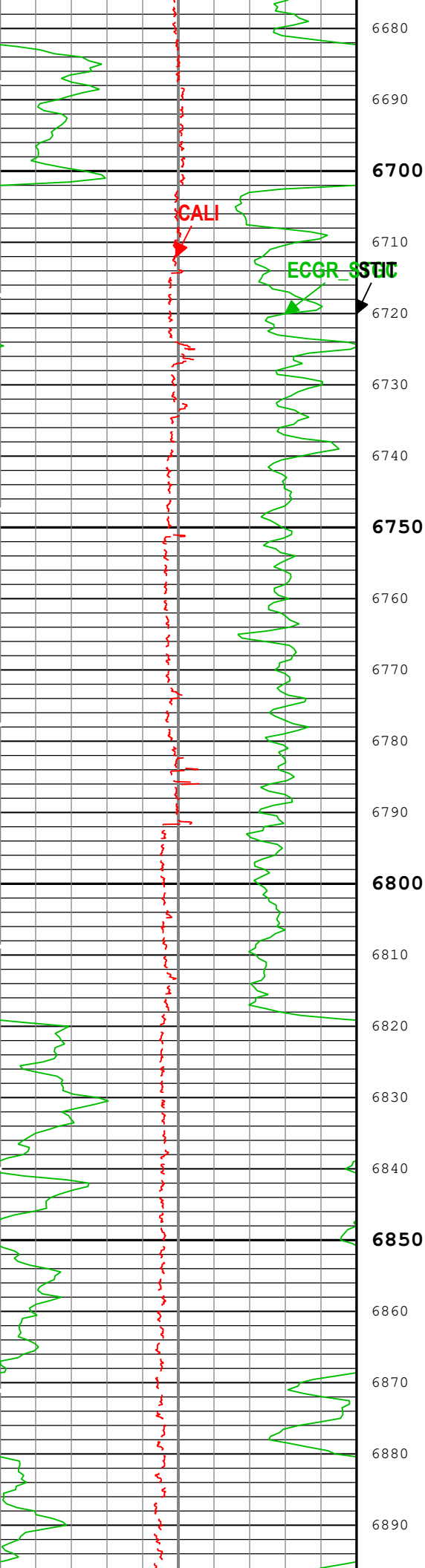


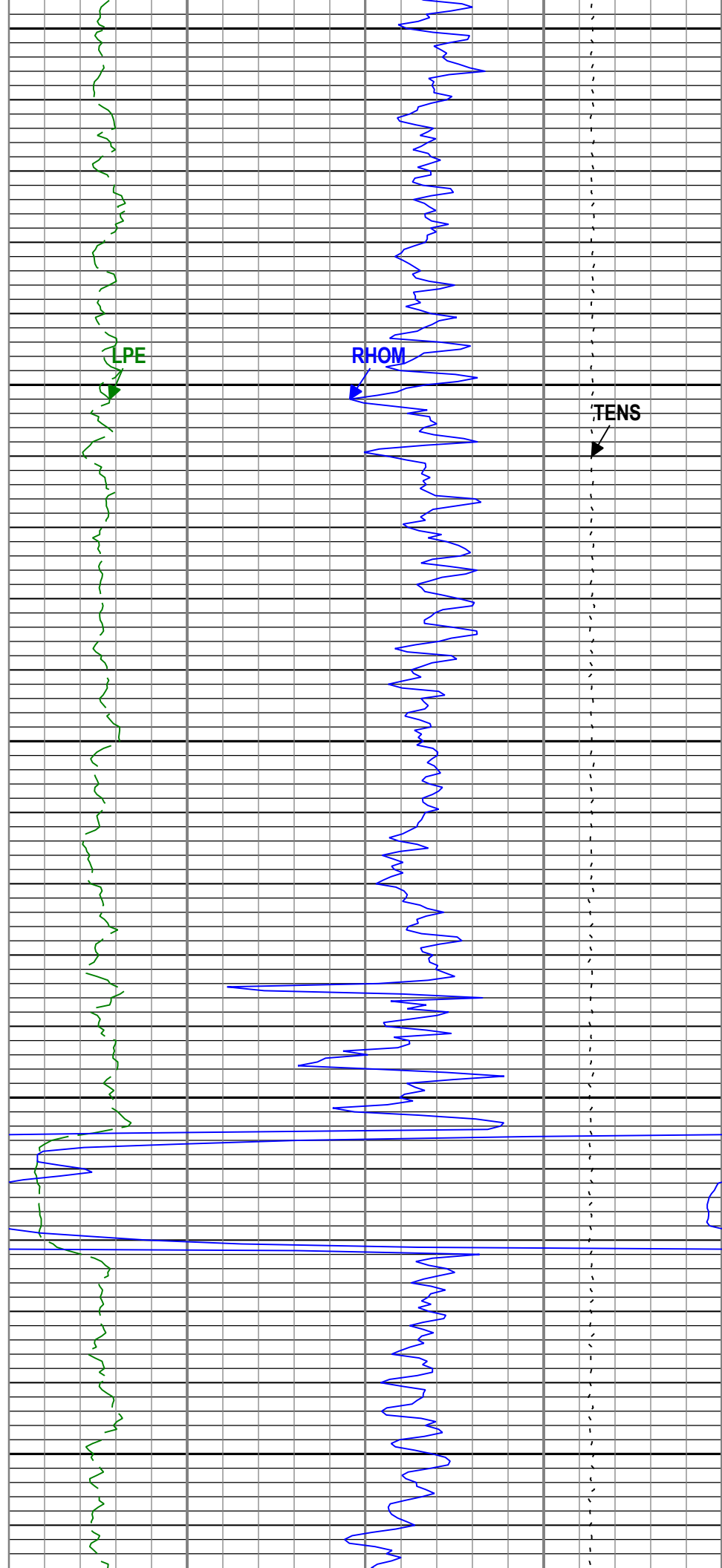
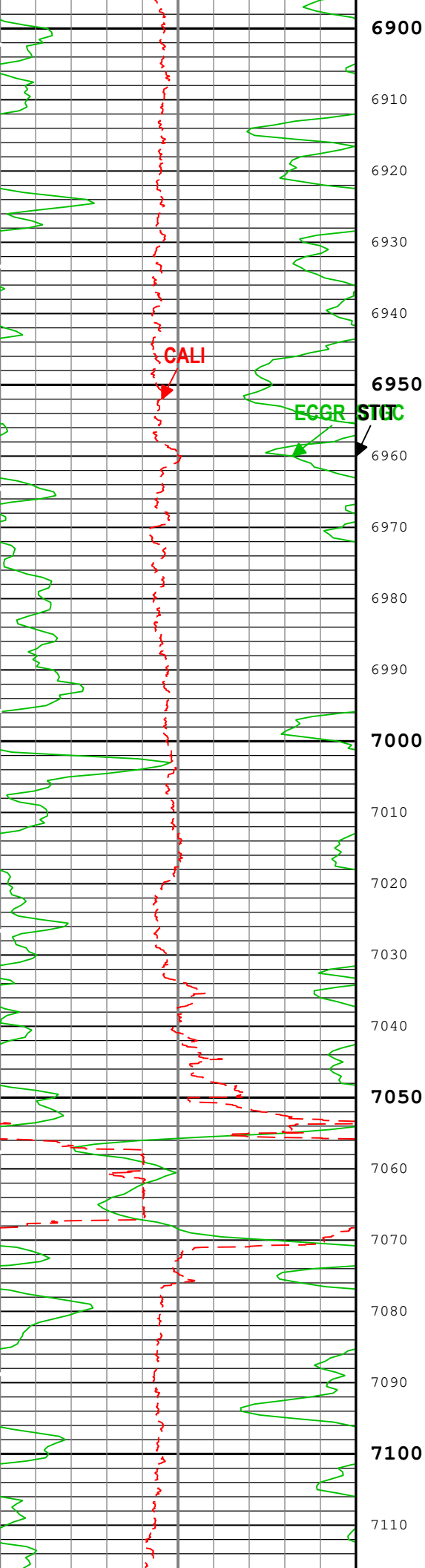


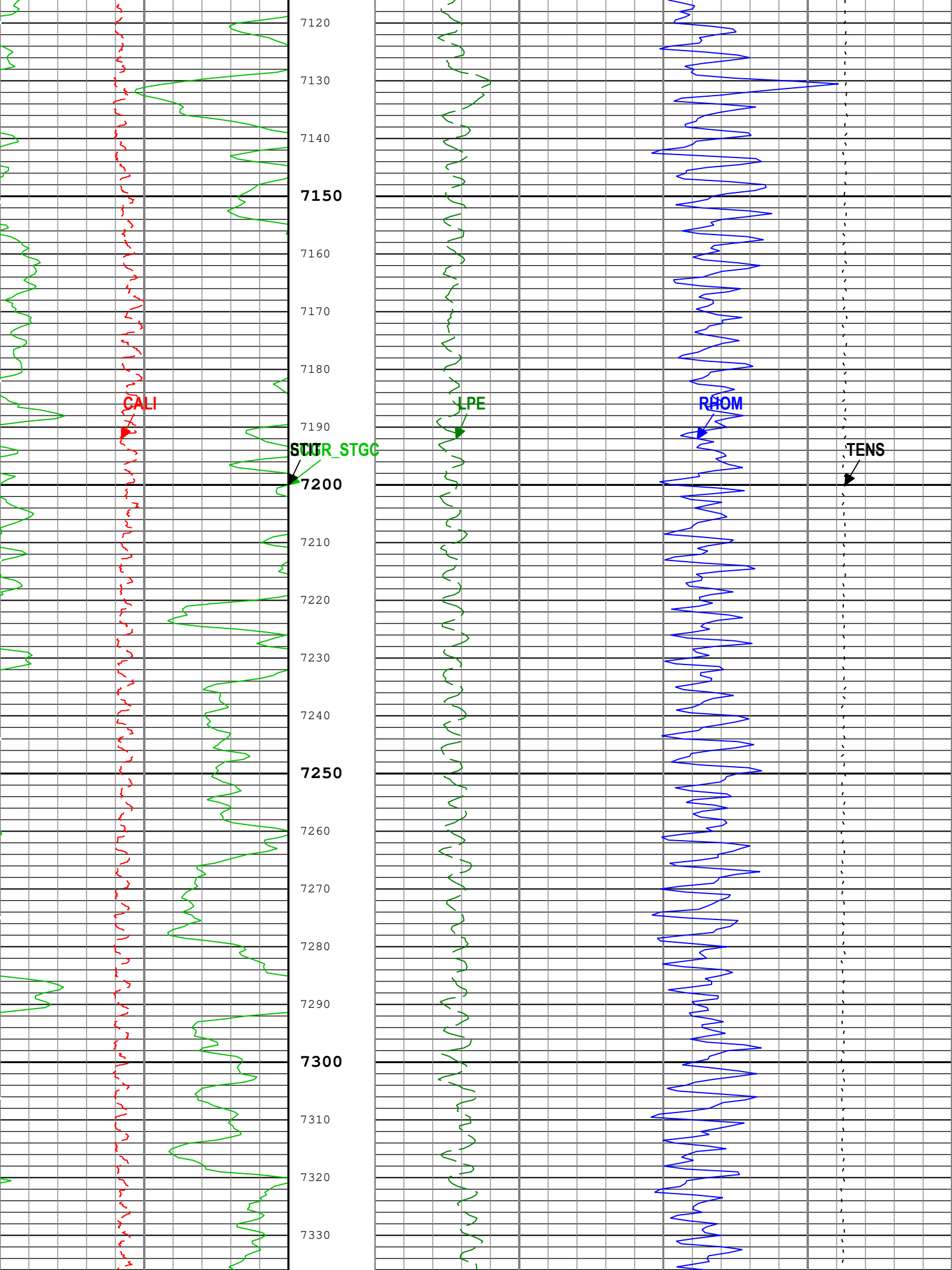


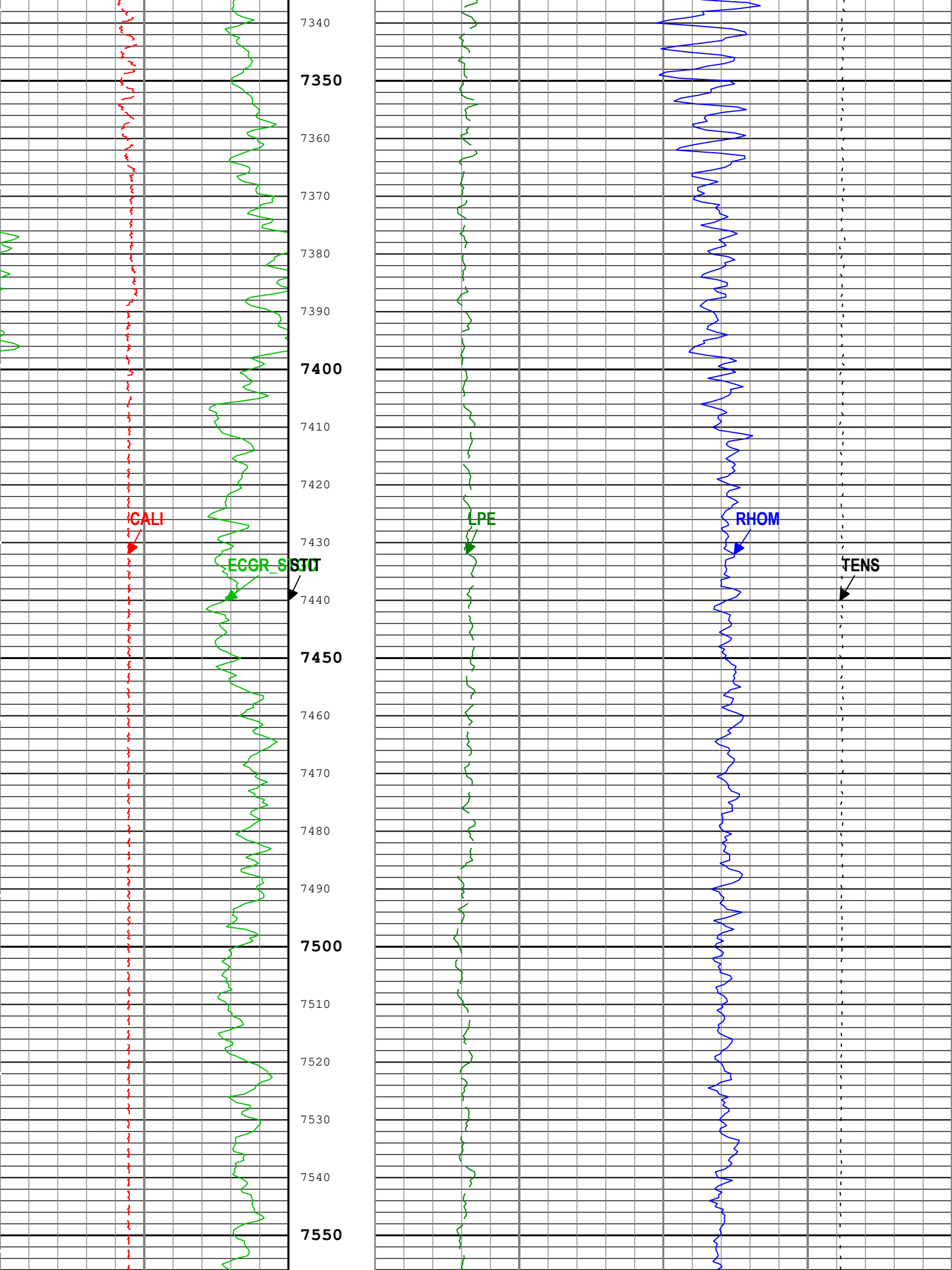


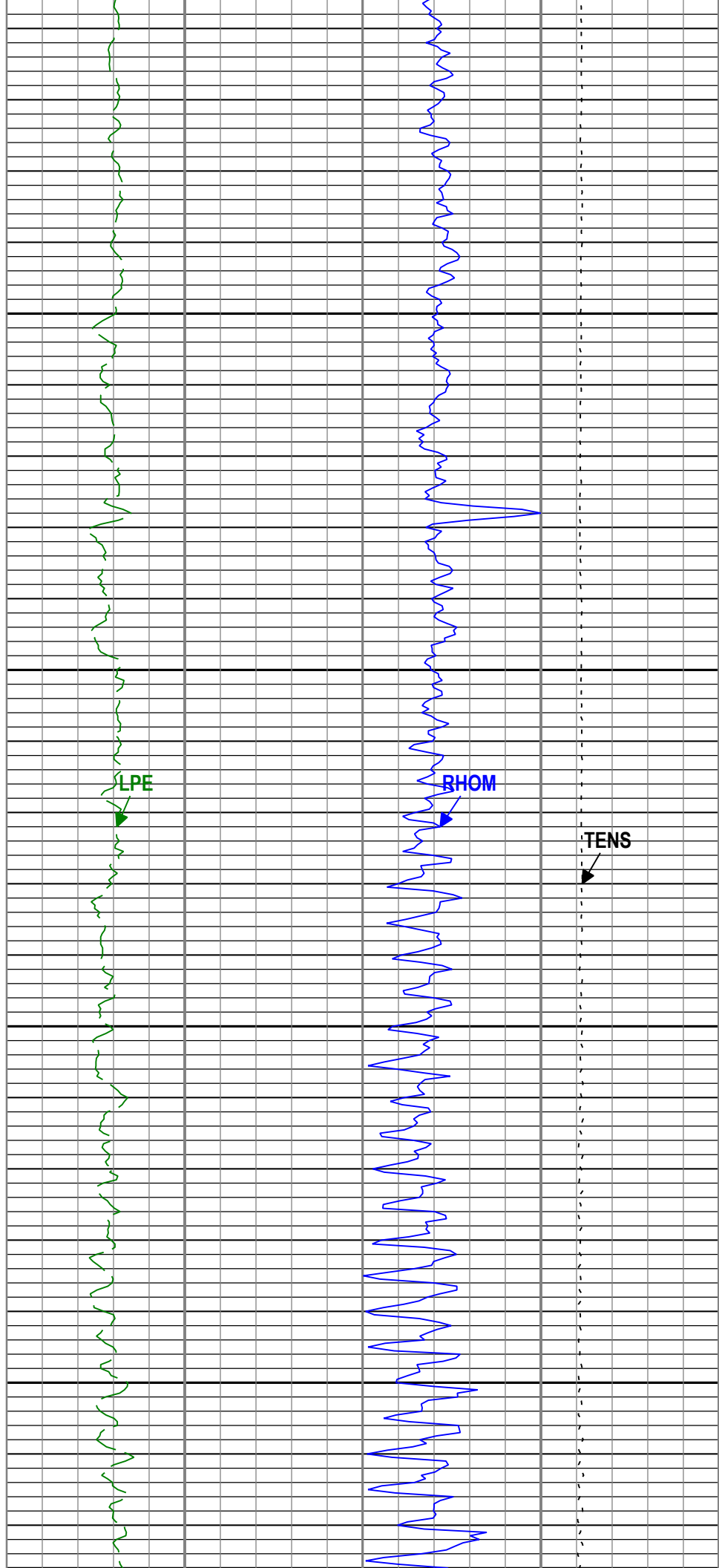
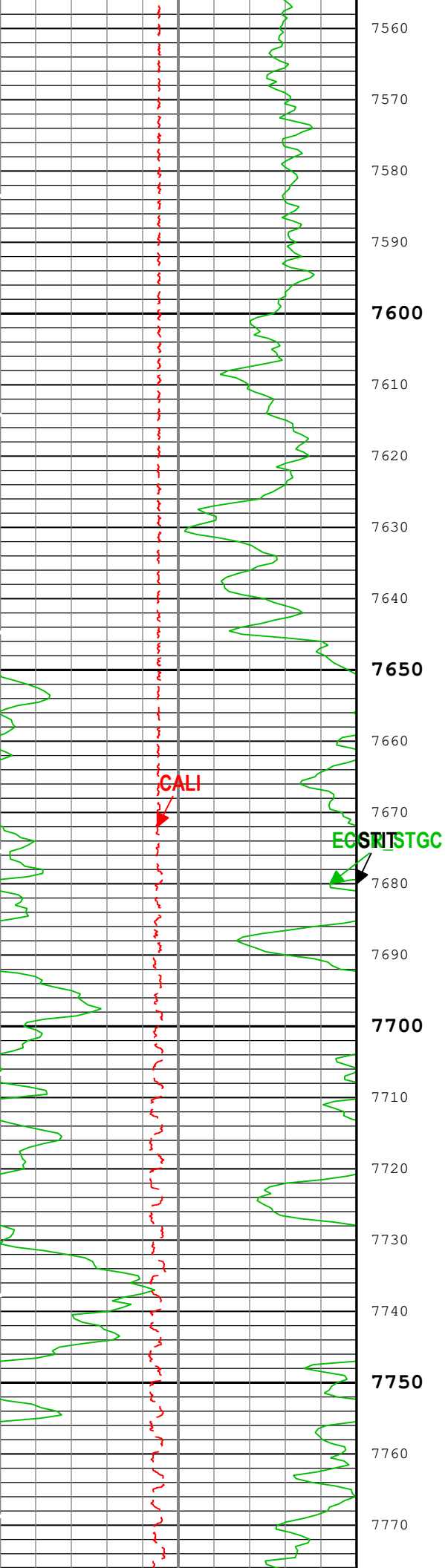


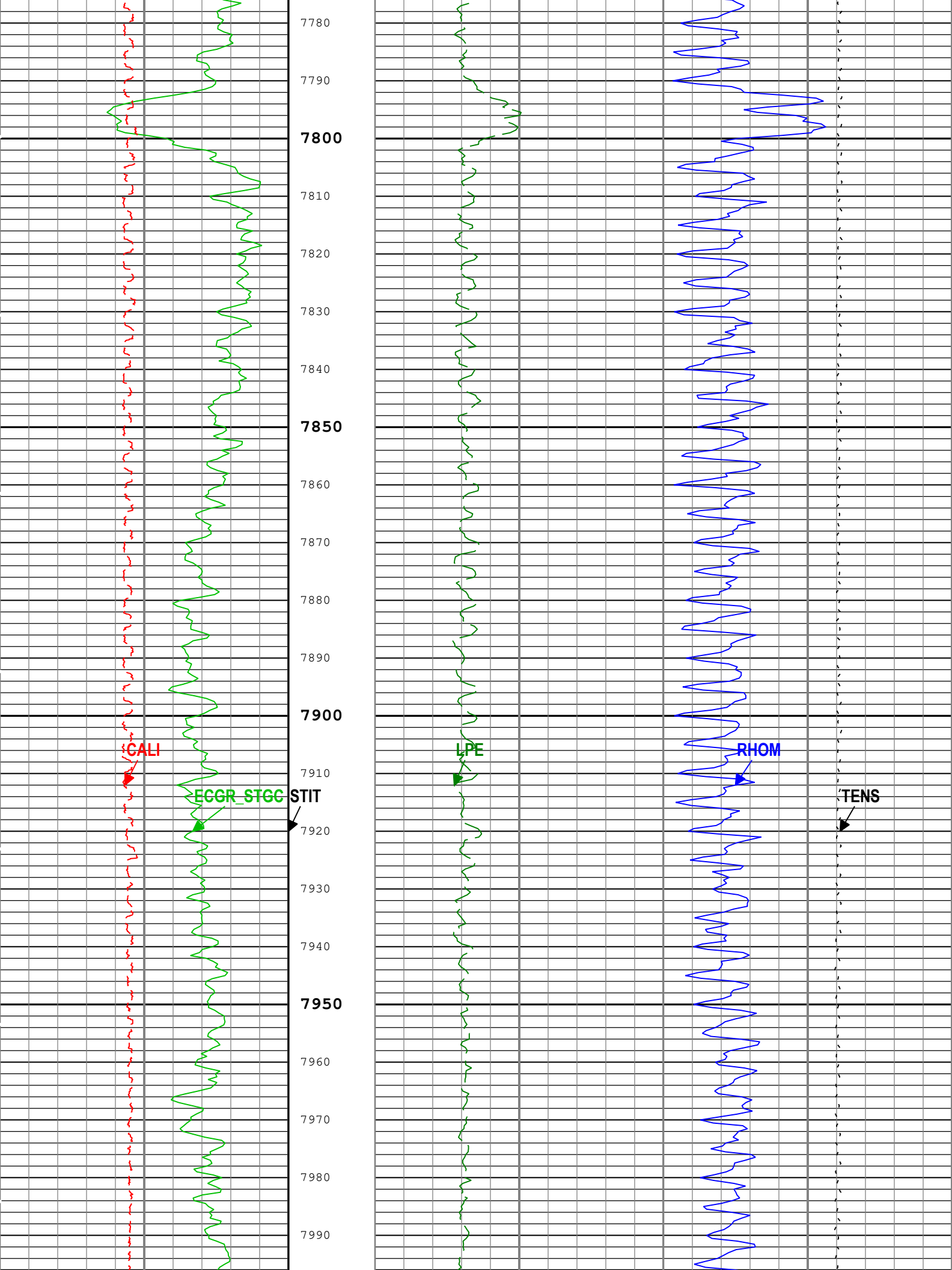




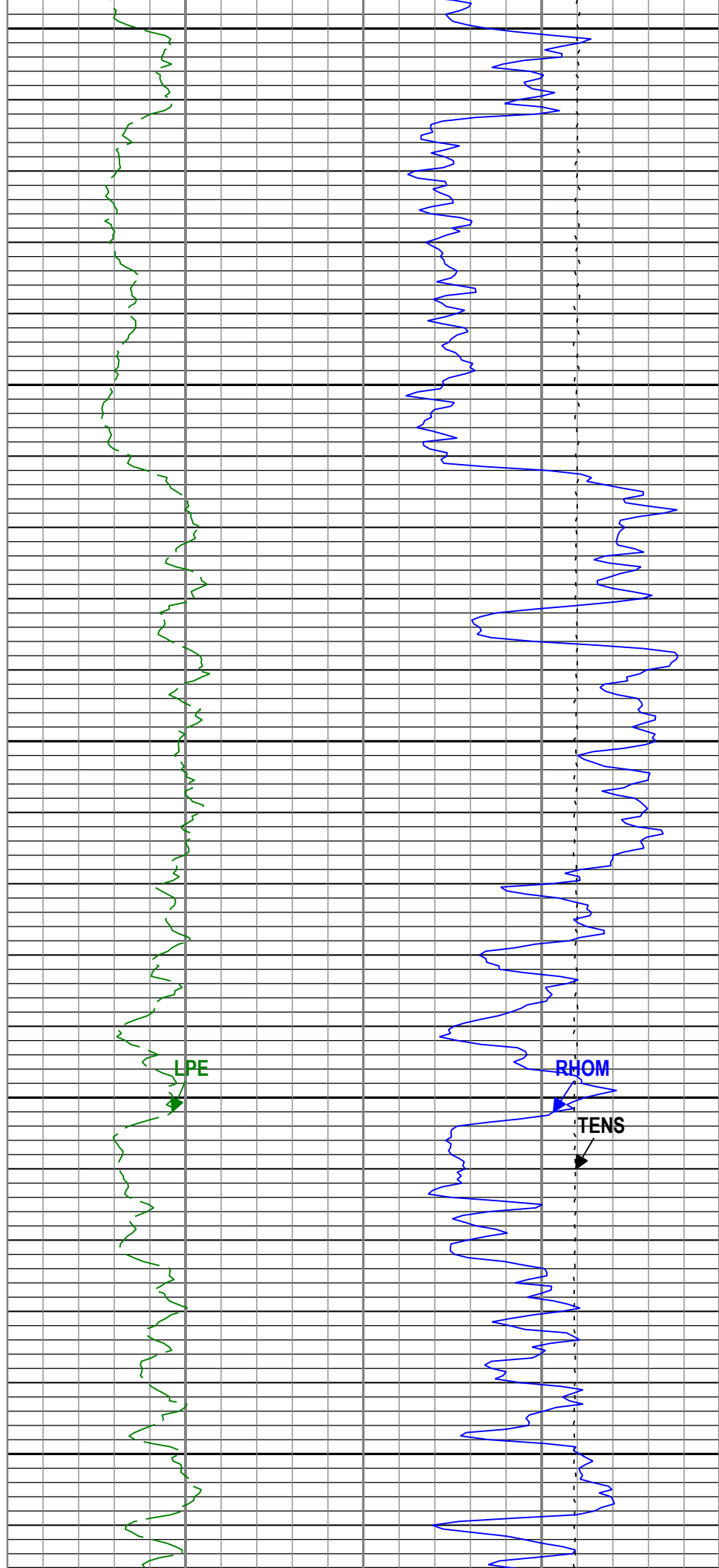
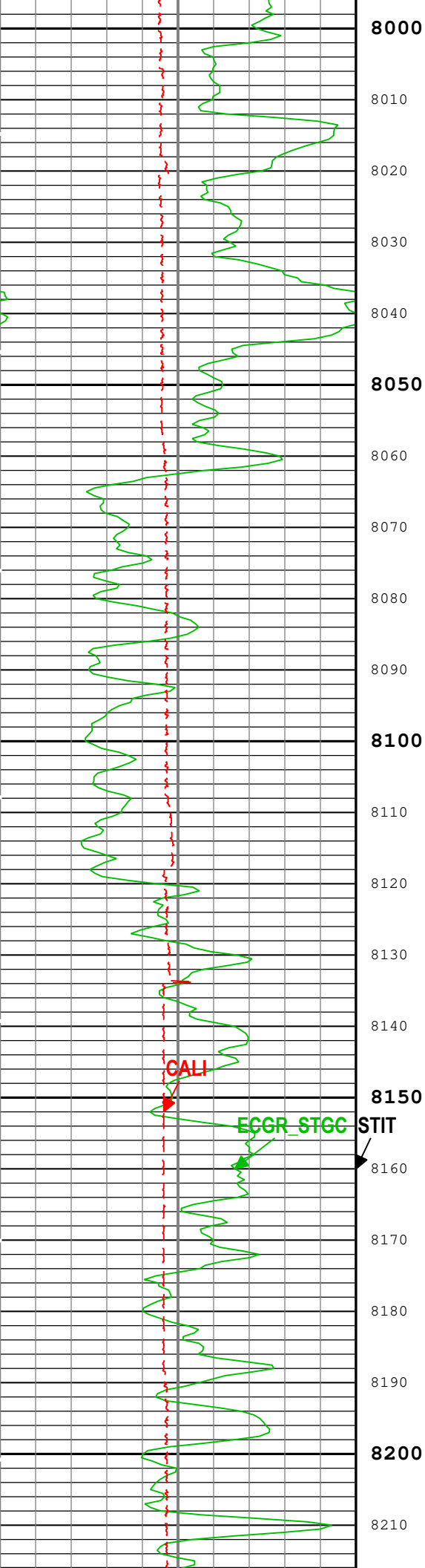


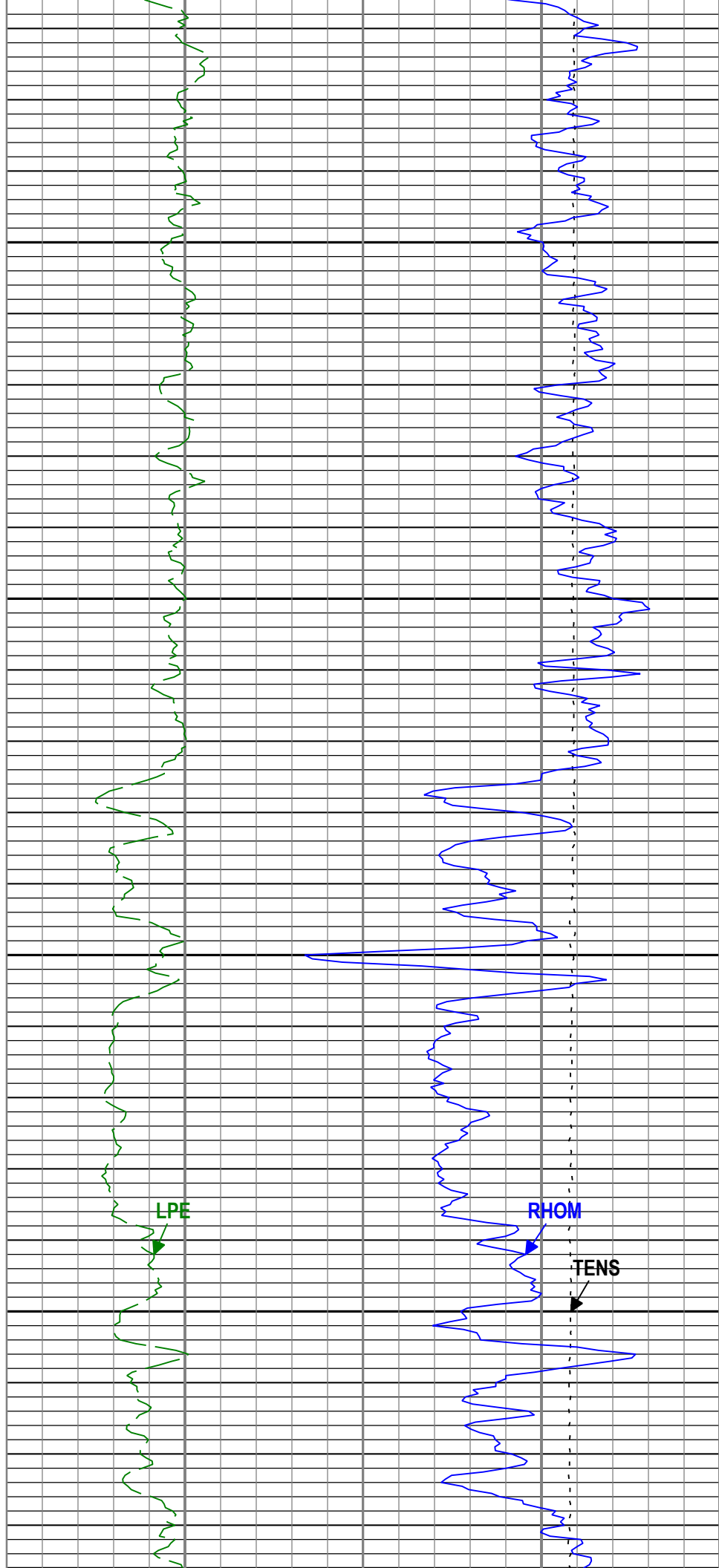
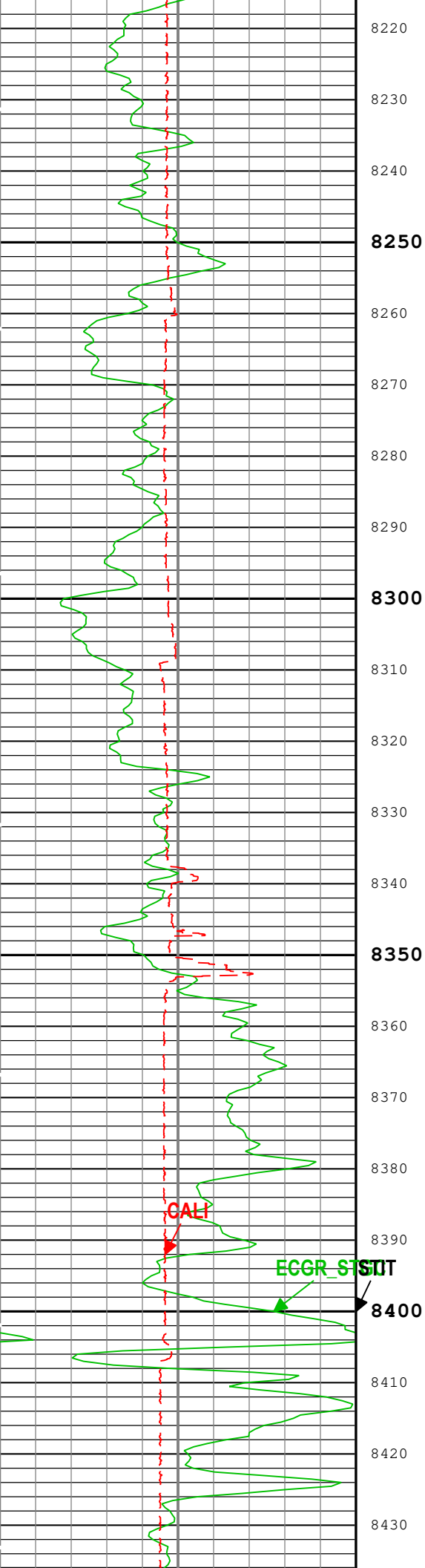


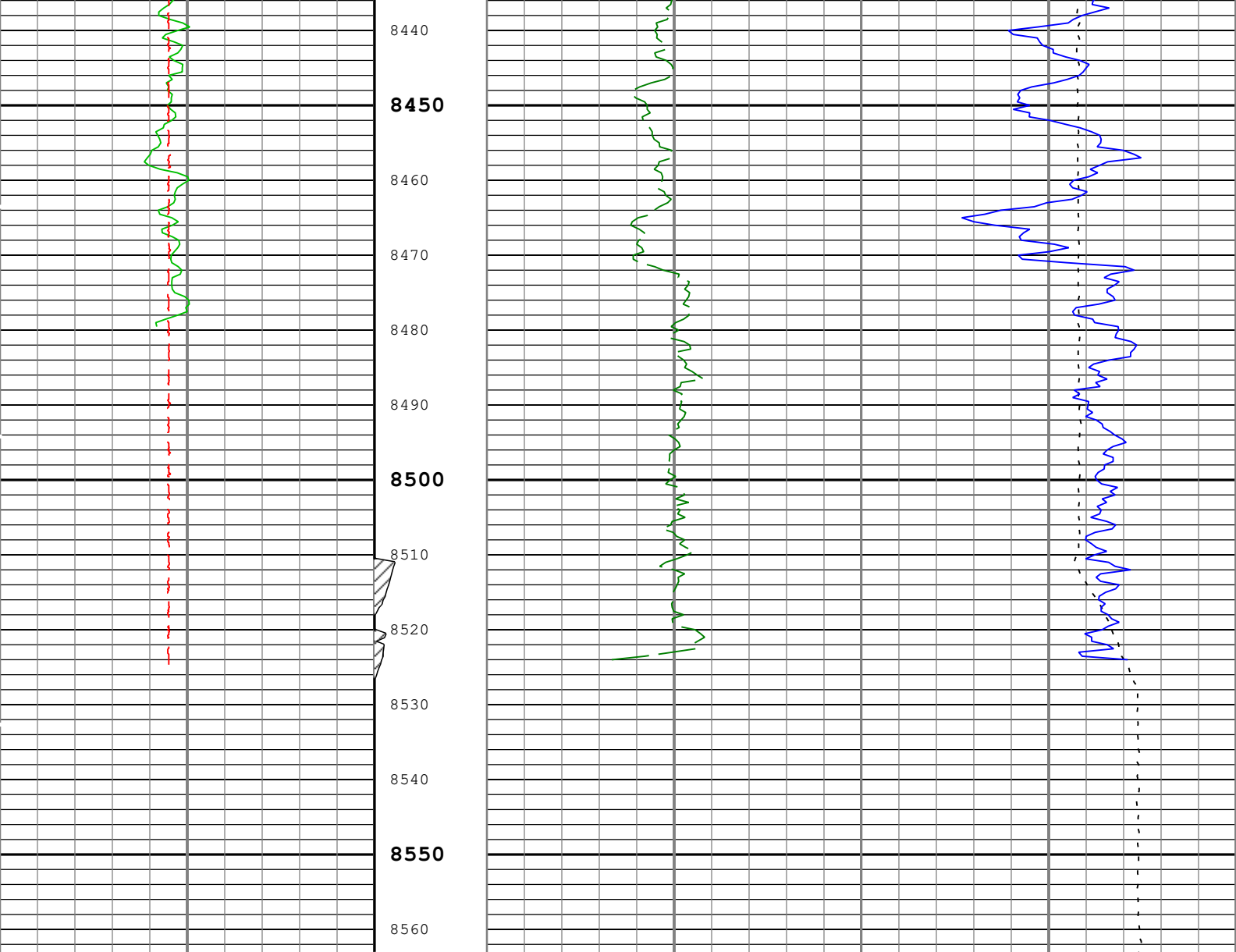












|                                    |      |  |       |
|------------------------------------|------|--|-------|
| Gamma Ray (ECGR_STGC) QTGC-B       |      | Bulk Density (RHOM) HLDS-D                   |       |
| 0                                  | gAPI | 2  | g/cm3 |
| Caliper (CALI) HLDS-D              |      | Photoelectric Factor - filtered (LPE) HLDS-D |       |
| 6                                  | in   | 10   | 10000 |
| Cable Tension (TENS)               |      | lb   |       |
| Stuck Tool Indicator, Total (STIT) |      | lb   |       |
| 0                                  |      | 50   |       |

TIME\_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express    Format: Log ( Density-5 )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 20-Jul-2021 01:38:30

## Channel Processing Parameters

### 2A: Parameters

| Parameter  | Description                          | Tool            | Value       | Unit    |
|------------|--------------------------------------|-----------------|-------------|---------|
| BHS        | Borehole Status (Open or Cased Hole) | Borehole        | Open        |         |
| BS         | Bit Size                             | WLSESSION       | Depth Zoned | in      |
| CALI_SHIFT | CALI Supplementary Offset            | HLDS-D          | -0.217      | in      |
| CBLO       | Casing Bottom (Logger)               | WLSESSION       | 2988        | ft      |
| DC_MODE    | Depth Correction Mode                | DepthCorrection | Real-time   |         |
| DFD        | Drilling Fluid Density               | Borehole        | 8.3         | lbm/gal |

|                |  |          |            |         |
|----------------|--|----------|------------|---------|
|                | Drilling Fluid Density                               | Borehole | 0.9        | lbm/gal |
| DHC            | Density Hole Correction                              | HLDS-D   | Bit Size   |         |
| FD             | Fluid Density  | Borehole | 1          | g/cm3   |
| GCSE_DOWN_PASS | Generalized Caliper Selection for WL Log Down Passes | Borehole | BS(RT)     |         |
| GCSE_UP_PASS   | Generalized Caliper Selection for WL Log Up Passes   | Borehole | CALI       |         |
| LATC           | Activation Correction Switch                         | HLDS-D   | On         |         |
| MDEN           | Matrix Density for Density Porosity                  | Borehole | 2.71       | g/cm3   |
| SOCN           | Standoff Distance of the Gamma Ray Tool              | QTGC-B   | 0          | in      |
| TD             | Total Measured Depth                                 | Borehole | 8540       | ft      |
| TPOS_STGC      | Tool Position: Centered or Eccentered                | QTGC-B   | Eccentered |         |

| Depth Zone Parameters  |        |              |             |  |
|------------------------|--------|--------------|-------------|--|
| Parameter              | Value  | Start ( ft ) | Stop ( ft ) |  |
| BS                     | 14.77  | 2970         | 2989        |  |
| BS                     | 10.625 | 2989         | 8514        |  |
| BS                     | 8.75   | 8514         | 8540        |  |
| All depths are actual. |        |              |             |  |

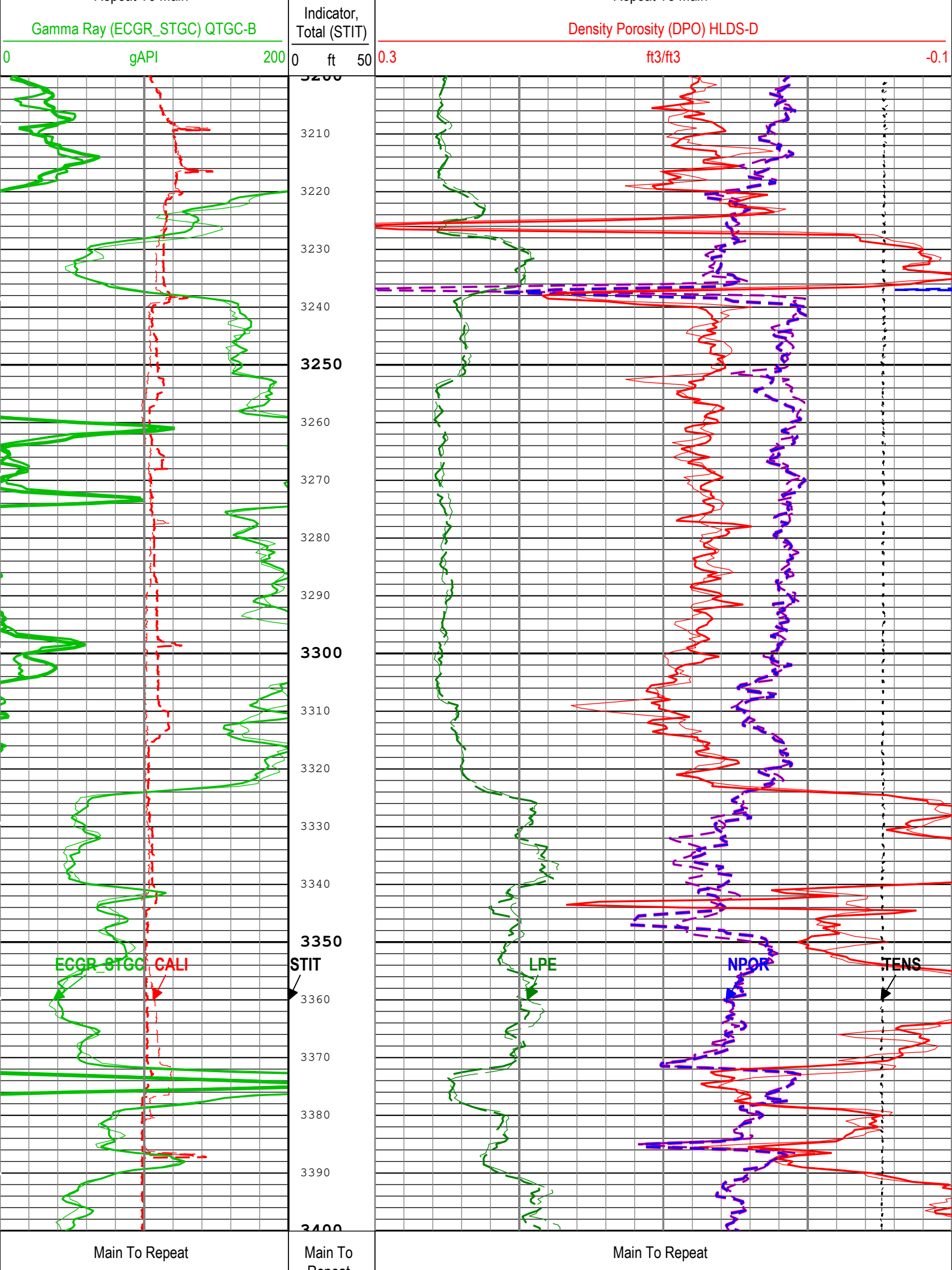
| Tool Control Parameters |                                  |           |       |      |
|-------------------------|----------------------------------|-----------|-------|------|
| 2A: Parameters          |                                  |           |       |      |
| Parameter               | Description                      | Tool      | Value | Unit |
| MAX_LOG_SPEED           | Toolstring Maximum Logging Speed | WLSESSION | 1800  | ft/h |
| 2A                      |                                  |           |       |      |
| 5" Porosity             |                                  |           |       |      |

| Pass Summary                                 |                |           |            |            |                        |                        |          |             |                       |
|--|----------------|-----------|------------|------------|------------------------|------------------------|----------|-------------|-----------------------|
| Run Name                                     | Pass Objective | Direction | Top        | Bottom     | Start                  | Stop                   | DSC Mode | Depth Shift | Include Parallel Data |
| 2A   | Log[2]:Up      | Up        | 2858.91 ft | 8563.43 ft | 19-Jul-2021 3:16:18 PM | 19-Jul-2021 6:22:02 PM | ON       | 3.65 ft     | Yes                   |
| 2A   | Repeat[3]:Up   | Up        | 2896.15 ft | 3507.15 ft | 19-Jul-2021 6:28:06 PM | 19-Jul-2021 6:49:45 PM | ON       | 4.69 ft     | Yes                   |
| All depths are referenced to toolstring zero |                |           |            |            |                        |                        |          |             |                       |

| Log | Company:University Of Utah | Well:FORGE 78B-32  |
|-----|----------------------------|--------------------|
|     |                            | 2A: Log[2]:Up:S016 |

Description: HGNS standard resolution porosities for Platform Express    Format: Log ( Porosity-5 RA )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 20-Jul-2021 01:38:37

|   |  |  |  |   |  |  |                      |  |  |
|---|--|--|--|---|--|--|----------------------|--|--|
| TIME_1900 - Time Marked every 60.00 (s) |  |  |  |   |  |  |                      |  |  |
|   |  |  |  | Main To Repeat  |  |  | Main To Repeat       |  |  |
|   |  |  |  | Repeat To Main  |  |  | Repeat To Main       |  |  |
|   |  |  |  | Photoelectric Factor - filtered (LPE) HLDS-D                        |  |  | Cable Tension (TENS) |  |  |
|   |  |  |  | 010   |  |  | 10000 lbf0           |  |  |
| Main To Repeat                          |  |  |  | Main To Repeat  |  |  |                      |  |  |
| Repeat To Main                          |  |  |  | Repeat To Main  |  |  |                      |  |  |
| Caliper (CALI) HLDS-D                   |  |  |  | Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) QCNT |  |  |                      |  |  |
| 6 in 16                                 |  |  |  | 0.3 m3/m3-0.1   |  |  |                      |  |  |
| Main To Repeat                          |  |  |  | Main To Repeat  |  |  |                      |  |  |
| Repeat To Main                          |  |  |  | Repeat To Main  |  |  |                      |  |  |



|   |  |  |  |
|---|--|--|--|
| <div>Repeat To Main</div> <div>Caliper (CALI) HLDS-D</div> <div>6 in 16</div> <div>Main To Repeat</div> <div>Repeat To Main</div> <div>Gamma Ray (ECGR_STGC) QTGC-B</div> <div>0 gAPI 200</div> | <div>Repeat To Main</div> <div>Stuck Tool Indicator, Total (STIT)</div> <div>0 ft 50</div> | <div>Repeat To Main</div> <div>Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) QCNT</div> <div>0.3 m3/m3 -0.1</div> <div>Main To Repeat</div> <div>Repeat To Main</div> <div>Density Porosity (DPO) HLDS-D</div> <div>0.3 ft3/ft3 -0.1</div> <div> <div>Main To Repeat</div> <div>Repeat To Main</div> <div>Photoelectric Factor - filtered (LPE) HLDS-D</div> <div>0 10</div> </div> <div> <div>Main To Repeat</div> <div>Repeat To Main</div> <div>Cable Tension (TENS)</div> <div>10000 lbf 0</div> </div> |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |

TIME\_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express    Format: Log ( Porosity-5 RA )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 20-Jul-2021 01:38:37

| Channel Processing Parameters |  |                 |            |         |
|-------------------------------|--|-----------------|------------|---------|
| 2A: Parameters                |  |                 |            |         |
| Parameter                     | Description  | Tool            | Value      | Unit    |
| BARI(ISSBAR)                  | Barite Mud Presence Flag   | Borehole        | No         |         |
| BHS                           | Borehole Status (Open or Cased Hole)                                     | Borehole        | Open       |         |
| BHT                           | Bottom Hole Temperature  | Borehole        | 353.72     | degF    |
| BS                            | Bit Size   | WLSESSION       | 10.625     | in      |
| BSAL                          | Borehole Salinity  | Borehole        | 0          | ppm     |
| CALI_SHIFT                    | CALI Supplementary Offset  | HLDS-D          | -0.217     | in      |
| CBLO                          | Casing Bottom (Logger)   | WLSESSION       | 2988       | ft      |
| DC_MODE                       | Depth Correction Mode  | DepthCorrection | Real-time  |         |
| DFD                           | Drilling Fluid Density   | Borehole        | 8.3        | lbm/gal |
| DFT_CATEGORY                  | Drilling Fluid Type  | Borehole        | Water      |         |
| DHC                           | Density Hole Correction  | HLDS-D          | Bit Size   |         |
| FD                            | Fluid Density  | Borehole        | 1          | g/cm3   |
| FSAL                          | Formation Salinity   | Borehole        | 0          | ppm     |
| GCSE_DOWN_PASS                | Generalized Caliper Selection for WL Log Down Passes                     | Borehole        | BS(RT)     |         |
| GCSE_UP_PASS                  | Generalized Caliper Selection for WL Log Up Passes                       | Borehole        | CALI       |         |
| GTSE                          | Generalized Temperature Selection, from Measured or Computed Temperature | Borehole        | MTEM       |         |
| LATC                          | Activation Correction Switch   | HLDS-D          | On         |         |
| MATR                          | Rock Matrix for Neutron Porosity Corrections                             | Borehole        | LIMESTONE  |         |
| MDEN                          | Matrix Density for Density Porosity                                      | Borehole        | 2.71       | g/cm3   |
| MFST                          | Mud Filtrate Sample Temperature  | Borehole        | 95         | degF    |
| MST                           | Mud Sample Temperature   | Borehole        | 95         | degF    |
| RMFS                          | Resistivity of Mud Filtrate Sample                                       | Borehole        | 2.13       | ohm.m   |
| RMS                           | Resistivity of Mud Sample  | Borehole        | 2.84       | ohm.m   |
| SOCN                          | Standoff Distance of the Gamma Ray Tool                                  | QTGC-B          | 0          | in      |
| TD                            | Total Measured Depth   | Borehole        | 8540       | ft      |
| TPOS_STGC                     | Tool Position: Centered or Eccentered                                    | QTGC-B          | Eccentered |         |

| Tool Control Parameters |  |
|-------------------------|--|
|-------------------------|--|



|                    |     |               |      |         |          |          |  |
|--------------------|-----|---------------|------|---------|----------|----------|--|
| Thru Cal Mag - 0   | V   | Master        | ---- | 0.330   | 0.555    | 0.770    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 0.330   | 0.553    | 0.770    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -0.002   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Phase - 0 | deg | Master        | ---- | 137.000 | -135.247 | -103.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 137.000 | -143.163 | -103.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -7.916   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Mag - 1   | V   | Master        | ---- | 0.594   | 0.992    | 1.386    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 0.594   | 0.988    | 1.386    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -0.004   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Phase - 1 | deg | Master        | ---- | 136.000 | -136.315 | -104.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 136.000 | -144.242 | -104.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -7.927   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Mag - 2   | V   | Master        | ---- | 0.312   | 0.521    | 0.728    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 0.312   | 0.518    | 0.728    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -0.003   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Phase - 2 | deg | Master        | ---- | 132.000 | -141.557 | -108.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 132.000 | -149.513 | -108.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -7.956   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Mag - 3   | V   | Master        | ---- | 0.384   | 0.633    | 0.896    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 0.384   | 0.629    | 0.896    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -0.004   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Phase - 3 | deg | Master        | ---- | 131.000 | -143.431 | -109.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 131.000 | -151.402 | -109.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -7.971   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Mag - 4   | V   | Master        | ---- | 0.726   | 1.162    | 1.694    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 0.726   | 1.155    | 1.694    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -0.007   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Phase - 4 | deg | Master        | ---- | 125.000 | -152.689 | -115.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 125.000 | -160.734 | -115.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -8.045   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Mag - 5   | V   | Master        | ---- | 1.068   | 1.683    | 2.492    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 1.068   | 1.673    | 2.492    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -0.010   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Phase - 5 | deg | Master        | ---- | 122.000 | -154.900 | -118.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 122.000 | -162.982 | -118.000 | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -8.082   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After-Before  | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Thru Cal Mag - 6   | V   | Master        | ---- | 1.170   | 1.816    | 2.730    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before        | ---- | 1.170   | 1.807    | 2.730    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | After         | ---- | ----    | ----     | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|                    |     | Before-Master | ---- | ----    | -0.009   | ----     | <div><div></div><div></div><div></div><div></div><div></div></div> |



|                    |     |               |      |         |          |          |  |
|--------------------|-----|---------------|------|---------|----------|----------|--|
|                    |     | After-Before  | ---- | ----    | ----     | ----     |  |
| Thru Cal Phase - 6 | deg | Master        | ---- | 121.000 | -156.659 | -119.000 |  |
|                    |     | Before        | ---- | 121.000 | -164.785 | -119.000 |  |
|                    |     | After         | ---- | ----    | ----     | ----     |  |
|                    |     | Before-Master | ---- | ----    | -8.126   | ----     |  |
|                    |     | After-Before  | ---- | ----    | ----     | ----     |  |
| Thru Cal Mag - 7   | V   | Master        | ---- | 0.852   | 1.330    | 1.988    |  |
|                    |     | Before        | ---- | 0.852   | 1.318    | 1.988    |  |
|                    |     | After         | ---- | ----    | ----     | ----     |  |
|                    |     | Before-Master | ---- | ----    | -0.012   | ----     |  |
|                    |     | After-Before  | ---- | ----    | ----     | ----     |  |
| Thru Cal Phase - 7 | deg | Master        | ---- | 115.000 | -156.577 | -125.000 |  |
|                    |     | Before        | ---- | 115.000 | -165.043 | -125.000 |  |
|                    |     | After         | ---- | ----    | ----     | ----     |  |
|                    |     | Before-Master | ---- | ----    | -8.466   | ----     |  |
|                    |     | After-Before  | ---- | ----    | ----     | ----     |  |
| SPA Zero           | mV  | Master        | ---- | -50.000 | -0.138   | 50.000   |  |
|                    |     | Before        | ---- | -50.000 | -0.094   | 50.000   |  |
|                    |     | After         | ---- | ----    | ----     | ----     |  |
|                    |     | Before-Master | ---- | ----    | 0.044    | ----     |  |
|                    |     | After-Before  | ---- | ----    | ----     | ----     |  |
| SPA Plus           | mV  | Master        | ---- | 941.000 | 990.201  | 1040.000 |  |
|                    |     | Before        | ---- | 941.000 | 990.888  | 1040.000 |  |
|                    |     | After         | ---- | ----    | ----     | ----     |  |
|                    |     | Before-Master | ---- | ----    | 0.687    | ----     |  |
|                    |     | After-Before  | ---- | ----    | ----     | ----     |  |
| Temperature Zero   | V   | Master        | ---- | -0.050  | 0.000    | 0.050    |  |
|                    |     | Before        | ---- | -0.050  | 0.000    | 0.050    |  |
|                    |     | After         | ---- | ----    | ----     | ----     |  |
|                    |     | Before-Master | ---- | ----    | 0.000    | ----     |  |
|                    |     | After-Before  | ---- | ----    | ----     | ----     |  |
| Temperature Plus   | V   | Master        | ---- | 0.870   | 0.917    | 0.960    |  |
|                    |     | Before        | ---- | 0.870   | 0.918    | 0.960    |  |
|                    |     | After         | ---- | ----    | ----     | ----     |  |
|                    |     | Before-Master | ---- | ----    | 0.001    | ----     |  |
|                    |     | After-Before  | ---- | ----    | ----     | ----     |  |

## HLDS-D (Hostile-environment Litho-Density Sonde) Calibration - Run 2A

|  |  |  |         |  |  |      |  |
|--|--|--|---------|--|--|------|--|
| Primary Equipment :  |  |  |         |  |  |      |  |
| This is a hostile-environment litho-density tool derived from the HLDT to run as part of the Xtreme Platform |  |  | HLDS-D  |  |  | 65   |  |
| Auxiliary Equipment :  |  |  |         |  |  |      |  |
| Radioactive Gamma Source   |  |  | GGLS-EZ |  |  | 3535 |  |
| This is the housing for the HLDV-D asset   |  |  | HEH-H   |  |  | 91   |  |
| HLDP housing contains the preamplifiers and detectors and houses the Cesium 137 source                       |  |  | HLDP-C  |  |  | 93   |  |
| HLDV-D contains high voltage electronics for the detectors and controls for the caliper arm motor            |  |  | HLDV-D  |  |  | 9690 |  |
| Litho-Density Spectroscopy Cartridge   |  |  | LDSC-B  |  |  | 513  |  |
| Housing for the LDSC   |  |  | LDSH-A  |  |  | 405  |  |

## HLDS-D Aluminum Calibration - Aluminum Measurement

|                                |      |                      |           |           |          |            |  |
|--------------------------------|------|----------------------|-----------|-----------|----------|------------|--|
| Master (EEPROM):               |      | 06:56:54 23-Jun-2021 |           |           |          |            |  |
| Measurement                    | Unit | Phase                | Nominal   | Low Limit | Actual   | High Limit |  |
| SS1 Corrected Window Countrate | 1/s  | Master               | 2800.000  | 2100.000  | 2436.000 | 3500.000   |  |
| SS2 Corrected Window Countrate | 1/s  | Master               | 8000.000  | 6000.000  | 6757.000 | 9600.000   |  |
| SS3 Corrected Window Countrate | 1/s  | Master               | 11600.000 | 8500.000  | 9379.000 | 14000.000  |  |
| SS4 Corrected Window Countrate | 1/s  | Master               | 5000.000  | 3500.000  | 3822.000 | 5900.000   |  |
| SS5 Corrected Window Countrate | 1/s  | Master               | 660.000   | 410.000   | 462.000  | 770.000    |  |
| LS1 Corrected Window Countrate | 1/s  | Master               | 600.000   | 460.000   | 523.000  | 750.000    |  |
| LS2 Corrected Window Countrate | 1/s  | Master               | 900.000   | 720.000   | 815.000  | 1100.000   |  |
| LS3 Corrected Window Countrate | 1/s  | Master               | 1100.000  | 850.000   | 978.000  | 1320.000   |  |

|  |      |                      |                    |                      |          |            |  |
|--|------|----------------------|--------------------|----------------------|----------|------------|--|
| LS4 Corrected Window Countrate                                     | 1/s  | Master               | 580.000            | 410.000              | 487.000  | 660.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS5 Corrected Window Countrate                                     | 1/s  | Master               | 570.000            | 380.000              | 448.000  | 630.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
| HLDS-D Aluminum Calibration - Insert Water/Aluminum Pad Wear Check |      |                      |                    |                      |          |            |  |
| Master (EEPROM):   |      | 06:56:54 23-Jun-2021 |                    |                      |          |            |  |
| Measurement  | Unit | Phase                | Nominal            | Low Limit            | Actual   | High Limit | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS Water/Aluminum Ratio  |      | Master               | 0.995              | 0.980                | 0.000    | 1.010      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS Water/Aluminum Ratio  |      | Master               | 1.003              | 0.990                | 1.000    | 1.015      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| HLDS-D Aluminum Calibration - Quality Ratio Computation            |      |                      |                    |                      |          |            |  |
| Master (EEPROM):   |      | 06:56:54 23-Jun-2021 |                    |                      |          |            |  |
| Measurement  | Unit | Phase                | Nominal            | Low Limit            | Actual   | High Limit | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS Quality Ratio   |      | Master               | 2.039              | 1.800                | 2.000    | 2.278      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS Quality Ratio   |      | Master               | 1.000              | 0.900                | 1.000    | 1.100      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LIR Quality Ratio  |      | Master               | 0.525              | 0.400                | 0.000    | 0.650      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LI Quality Ratio   |      | Master               | 0.550              | 0.450                | 0.000    | 0.650      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Quality Ratio - 0  |      | Master               | -----              | -----                | -----    | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| HLDS-D Lithology Calibration - Lithology Measurement               |      |                      |                    |                      |          |            |  |
| Master (EEPROM):   |      | 06:56:54 23-Jun-2021 |                    |                      |          |            |  |
| Measurement  | Unit | Phase                | Nominal            | Low Limit            | Actual   | High Limit | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS1 Corrected Window Countrate                                     | 1/s  | Master               | 2100.000           | 1600.000             | 1782.000 | 2500.000   | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS2 Corrected Window Countrate                                     | 1/s  | Master               | 6800.000           | 5100.000             | 5611.000 | 7900.000   | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS3 Corrected Window Countrate                                     | 1/s  | Master               | 10800.000          | 7800.000             | 8482.000 | 12100.000  | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS4 Corrected Window Countrate                                     | 1/s  | Master               | 4600.000           | 3250.000             | 3445.000 | 5300.000   | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS5 Corrected Window Countrate                                     | 1/s  | Master               | 580.000            | 360.000              | 407.000  | 680.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS1 Corrected Window Countrate                                     | 1/s  | Master               | 400.000            | 310.000              | 350.000  | 500.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS2 Corrected Window Countrate                                     | 1/s  | Master               | 730.000            | 570.000              | 648.000  | 860.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS3 Corrected Window Countrate                                     | 1/s  | Master               | 1000.000           | 750.000              | 863.000  | 1150.000   | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS4 Corrected Window Countrate                                     | 1/s  | Master               | 520.000            | 370.000              | 440.000  | 600.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS5 Corrected Window Countrate                                     | 1/s  | Master               | 470.000            | 340.000              | 400.000  | 600.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
| HLDS-D Water Insert Calibration - Insert Water/Dry Pad Wear Check  |      |                      |                    |                      |          |            |  |
| Master (EEPROM):   |      | 06:56:54 23-Jun-2021 |                    |                      |          |            |  |
| Measurement  | Unit | Phase                | Nominal            | Low Limit            | Actual   | High Limit | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS Water/Air Ratio   |      | Master               | -----              | 0.975                | 0.000    | 0.996      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS Water/Air Ratio   |      | Master               | -----              | 0.980                | 0.000    | 1.000      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| HLDS-D Background Calibration - Background Measurement             |      |                      |                    |                      |          |            |  |
| Master (EEPROM):   |      | 06:56:54 23-Jun-2021 | Before (Measured): | 09:30:59 18-Jul-2021 | After:   |            |  |
| Measurement  | Unit | Phase                | Nominal            | Low Limit            | Actual   | High Limit | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS Cs Resolution Bkg   |      | Master               | 9.000              | 7.000                | 7.000    | 11.000     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before               | 9.000              | 7.000                | 7.817    | 11.000     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | After                | 9.000              | 7.000                | NOT DONE | 11.000     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before-Master        | -----              | -----                | 0.817    | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | After-Before         | -----              | -----                | -----    | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| LS Cs Resolution Bkg   |      | Master               | 9.000              | 7.000                | 8.000    | 11.000     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before               | 9.000              | 7.000                | 8.176    | 11.000     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | After                | 9.000              | 7.000                | NOT DONE | 11.000     | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before-Master        | -----              | -----                | 0.176    | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | After-Before         | -----              | -----                | -----    | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS1 Corrected Window Countrate                                     | 1/s  | Master               | 100.000            | 65.000               | 87.000   | 130.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before               | 100.000            | 65.000               | 86.959   | 130.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | After                | 100.000            | 65.000               | NOT DONE | 130.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before-Master        | -----              | -----                | -0.041   | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | After-Before         | -----              | -----                | -----    | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS2 Corrected Window Countrate                                     | 1/s  | Master               | 200.000            | 110.000              | 154.000  | 230.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before               | 200.000            | 110.000              | 154.619  | 230.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | After                | 200.000            | 110.000              | NOT DONE | 230.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before-Master        | -----              | -----                | 0.619    | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | After-Before         | -----              | -----                | -----    | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SS3 Corrected Window Countrate                                     | 1/s  | Master               | 500.000            | 300.000              | 419.000  | 600.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before               | 500.000            | 300.000              | 418.815  | 600.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | After                | 500.000            | 300.000              | NOT DONE | 600.000    | <div><div></div><div></div><div></div><div></div><div></div></div> |
|  |      | Before-Master        | -----              | -----                | 0.185    | -----      | <div><div></div><div></div><div></div><div></div><div></div></div> |

|                                |     |                               |                |                |                 |                |                        |
|--------------------------------|-----|-------------------------------|----------------|----------------|-----------------|----------------|------------------------|
|                                |     | Before-Master<br>After-Before | -----<br>----- | -----<br>----- | -0.183<br>----- | -----<br>----- | <div><div></div></div> |
| SS4 Corrected Window Countrate | 1/s | Master                        | 270.000        | 150.000        | 215.000         | 350.000        | <div><div></div></div> |
|                                |     | Before                        | 270.000        | 150.000        | 218.035         | 350.000        | <div><div></div></div> |
|                                |     | After                         | 270.000        | 150.000        | NOT DONE        | 350.000        | <div><div></div></div> |
|                                |     | Before-Master                 | -----          | -----          | 3.035           | -----          | <div><div></div></div> |
|                                |     | After-Before                  | -----          | -----          | -----           | -----          | <div><div></div></div> |
| SS5 Corrected Window Countrate | 1/s | Master                        | 200.000        | 110.000        | 156.000         | 250.000        | <div><div></div></div> |
|                                |     | Before                        | 200.000        | 110.000        | 155.098         | 250.000        | <div><div></div></div> |
|                                |     | After                         | 200.000        | 110.000        | NOT DONE        | 250.000        | <div><div></div></div> |
|                                |     | Before-Master                 | -----          | -----          | -0.902          | -----          | <div><div></div></div> |
|                                |     | After-Before                  | -----          | -----          | -----           | -----          | <div><div></div></div> |
| LS1 Corrected Window Countrate | 1/s | Master                        | 100.000        | 70.000         | 77.000          | 120.000        | <div><div></div></div> |
|                                |     | Before                        | 100.000        | 70.000         | 77.678          | 120.000        | <div><div></div></div> |
|                                |     | After                         | 100.000        | 70.000         | NOT DONE        | 120.000        | <div><div></div></div> |
|                                |     | Before-Master                 | -----          | -----          | 0.678           | -----          | <div><div></div></div> |
|                                |     | After-Before                  | -----          | -----          | -----           | -----          | <div><div></div></div> |
| LS2 Corrected Window Countrate | 1/s | Master                        | 100.000        | 65.000         | 74.000          | 112.000        | <div><div></div></div> |
|                                |     | Before                        | 100.000        | 65.000         | 72.593          | 112.000        | <div><div></div></div> |
|                                |     | After                         | 100.000        | 65.000         | NOT DONE        | 112.000        | <div><div></div></div> |
|                                |     | Before-Master                 | -----          | -----          | -1.407          | -----          | <div><div></div></div> |
|                                |     | After-Before                  | -----          | -----          | -----           | -----          | <div><div></div></div> |
| LS3 Corrected Window Countrate | 1/s | Master                        | 200.000        | 150.000        | 168.000         | 250.000        | <div><div></div></div> |
|                                |     | Before                        | 200.000        | 150.000        | 165.354         | 250.000        | <div><div></div></div> |
|                                |     | After                         | 200.000        | 150.000        | NOT DONE        | 250.000        | <div><div></div></div> |
|                                |     | Before-Master                 | -----          | -----          | -2.646          | -----          | <div><div></div></div> |
|                                |     | After-Before                  | -----          | -----          | -----           | -----          | <div><div></div></div> |
| LS4 Corrected Window Countrate | 1/s | Master                        | 250.000        | 180.000        | 205.000         | 320.000        | <div><div></div></div> |
|                                |     | Before                        | 250.000        | 180.000        | 203.702         | 320.000        | <div><div></div></div> |
|                                |     | After                         | 250.000        | 180.000        | NOT DONE        | 320.000        | <div><div></div></div> |
|                                |     | Before-Master                 | -----          | -----          | -1.298          | -----          | <div><div></div></div> |
|                                |     | After-Before                  | -----          | -----          | -----           | -----          | <div><div></div></div> |
| LS5 Corrected Window Countrate | 1/s | Master                        | 600.000        | 410.000        | 446.000         | 690.000        | <div><div></div></div> |
|                                |     | Before                        | 600.000        | 410.000        | 450.857         | 690.000        | <div><div></div></div> |
|                                |     | After                         | 600.000        | 410.000        | NOT DONE        | 690.000        | <div><div></div></div> |
|                                |     | Before-Master                 | -----          | -----          | 4.857           | -----          | <div><div></div></div> |
|                                |     | After-Before                  | -----          | -----          | -----           | -----          | <div><div></div></div> |

|  |      |                      |         |           |        |            |                        |
|--|------|----------------------|---------|-----------|--------|------------|------------------------|
| HLDS-D Caliper Calibration - Caliper Calibration |      |                      |         |           |        |            |                        |
| Before (Measured):                               |      | 09:37:56 18-Jul-2021 |         |           |        |            |                        |
| Measurement                                      | Unit | Phase                | Nominal | Low Limit | Actual | High Limit | <div><div></div></div> |
| HLDS Caliper Large Ring                          | in   | Before               | 12.000  | 9.000     | 13.993 | 16.800     | <div><div></div></div> |
| HLDS Caliper Small Ring                          | in   | Before               | 8.000   | 6.000     | 9.933  | 12.000     | <div><div></div></div> |

| QCNT (SlimExtreme Compensated Neutron Tool) Calibration - Run 2A |        |      |  |
|--|--------|------|--|
| Primary Equipment :  |        |      |  |
| Compensated Neutron Cartridge SlimXtreme                         | QCNC-A | 2    |  |
| Auxiliary Equipment :  |        |      |  |
| Doubly encapsulated AmBe radioactive source material             | NSR-L  | 4545 |  |
| Calibration Parameter :  |        |      |  |
| Water Temperature  |        |      |  |

|   |                      |                    |                      |           |        |            |                        |
|---|----------------------|--------------------|----------------------|-----------|--------|------------|------------------------|
| CNT Neutron Calibration - CNT Neutron Accumulations |                      |                    |                      |           |        |            |                        |
| Master (Measured):                                  | 20:46:51 17-Jul-2021 | Before (Measured): | 09:41:51 18-Jul-2021 |           | After: |            |                        |
| Measurement   | Unit                 | Phase              | Nominal              | Low Limit | Actual | High Limit | <div><div></div></div> |
| Near Zero Measurement                               | 1/s                  | Master             | -----                | 0         | 0.668  | 5.000      | <div><div></div></div> |
|   |                      | Before             | -----                | 0         | 0.267  | 5.000      | <div><div></div></div> |
|   |                      | After              | -----                | -----     | -----  | -----      | <div><div></div></div> |
|   |                      | Before-Master      | -----                | -----     | -0.401 | -----      | <div><div></div></div> |
|   |                      | After-Before       | -----                | -----     | -----  | -----      | <div><div></div></div> |
| Far Zero Measurement                                | 1/s                  | Master             | -----                | 0         | 1.636  | 5.000      | <div><div></div></div> |

|                       |     |               |          |          |          |          |                        |
|-----------------------|-----|---------------|----------|----------|----------|----------|------------------------|
|                       |     | Before        | ----     | 0        | 0.999    | 5.000    | <div><div></div></div> |
|                       |     | After         | ----     | ----     | ----     | ----     | <div><div></div></div> |
|                       |     | Before-Master | ----     | ----     | -0.637   | ----     | <div><div></div></div> |
|                       |     | After-Before  | ----     | ----     | ----     | ----     | <div><div></div></div> |
| Near Plus Measurement | 1/s | Master        | 7328.000 | 5600.000 | 5955.926 | 8700.000 | <div><div></div></div> |
|                       |     | Before        | ----     | ----     | ----     | ----     | <div><div></div></div> |
|                       |     | After         | ----     | ----     | ----     | ----     | <div><div></div></div> |
|                       |     | Before-Master | ----     | ----     | ----     | ----     | <div><div></div></div> |
|                       |     | After-Before  | ----     | ----     | ----     | ----     | <div><div></div></div> |
| Far Plus Measurement  | 1/s | Master        | 1600.000 | 1300.000 | 1496.078 | 1900.000 | <div><div></div></div> |
|                       |     | Before        | ----     | ----     | ----     | ----     | <div><div></div></div> |
|                       |     | After         | ----     | ----     | ----     | ----     | <div><div></div></div> |
|                       |     | Before-Master | ----     | ----     | ----     | ----     | <div><div></div></div> |
|                       |     | After-Before  | ----     | ----     | ----     | ----     | <div><div></div></div> |

## CNT Neutron Calibration - CNT Neutron Coefficients

| Master (Measured): 20:46:51 17-Jul-2021 |      | Before (Measured): 09:41:51 18-Jul-2021 |          | After:    |          |            |                        |
|---|------|---|----------|-----------|----------|------------|------------------------|
| Measurement                             | Unit | Phase                                   | Nominal  | Low Limit | Actual   | High Limit | <div><div></div></div> |
| Near Corrected Plus Measurement         | 1/s  | Master                                  | 7328.000 | 5600.000  | 5980.594 | 8700.000   | <div><div></div></div> |
|   |      | Before                                  | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After                                   | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | Before-Master                           | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After-Before                            | ----     | ----      | ----     | ----       | <div><div></div></div> |
| Far Corrected Plus Measurement          | 1/s  | Master                                  | 1600.000 | 1300.000  | 1515.994 | 1900.000   | <div><div></div></div> |
|   |      | Before                                  | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After                                   | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | Before-Master                           | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After-Before                            | ----     | ----      | ----     | ----       | <div><div></div></div> |
| Near Corrected Gain                     |      | Master                                  | 1.000    | 0.797     | 1.225    | 1.304      | <div><div></div></div> |
|   |      | Before                                  | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After                                   | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | Before-Master                           | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After-Before                            | ----     | ----      | ----     | ----       | <div><div></div></div> |
| Far Corrected Gain                      |      | Master                                  | 1.000    | 0.842     | 1.055    | 1.231      | <div><div></div></div> |
|   |      | Before                                  | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After                                   | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | Before-Master                           | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After-Before                            | ----     | ----      | ----     | ----       | <div><div></div></div> |
| Computed Thermal Neutron Ratio Average  |      | Master                                  | 4.240    | 3.740     | 3.945    | 4.740      | <div><div></div></div> |
|   |      | Before                                  | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After                                   | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | Before-Master                           | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | After-Before                            | ----     | ----      | ----     | ----       | <div><div></div></div> |

## CNT Neutron Calibration - CNT Neutron Ratio R6 Measurement

| Master (Measured): 20:46:51 17-Jul-2021 |      | Before (Measured): 09:41:51 18-Jul-2021 |          | After:    |          |            |                        |
|---|------|---|----------|-----------|----------|------------|------------------------|
| Measurement                             | Unit | Phase                                   | Nominal  | Low Limit | Actual   | High Limit | <div><div></div></div> |
| Near R6 Measurement                     | 1/s  | Master                                  | 5000.000 | 4750.000  | 4999.806 | 5250.000   | <div><div></div></div> |
|   |      | Before                                  | 5000.000 | 4750.000  | 4999.871 | 5250.000   | <div><div></div></div> |
|   |      | After                                   | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | Before-Master                           | ----     | ----      | 0.065    | ----       | <div><div></div></div> |
|   |      | After-Before                            | ----     | ----      | ----     | ----       | <div><div></div></div> |
| Far R6 Measurement                      | 1/s  | Master                                  | 833.330  | 791.660   | 833.301  | 875.000    | <div><div></div></div> |
|   |      | Before                                  | 833.330  | 791.660   | 833.323  | 875.000    | <div><div></div></div> |
|   |      | After                                   | ----     | ----      | ----     | ----       | <div><div></div></div> |
|   |      | Before-Master                           | ----     | ----      | 0.022    | ----       | <div><div></div></div> |
|   |      | After-Before                            | ----     | ----      | ----     | ----       | <div><div></div></div> |
| Ratio R6 Computed Ratio                 |      | Master                                  | 6.000    | 5.430     | 6.000    | 6.630      | <div><div></div></div> |
|   |      | Before                                  | 6.000    | 5.430     | 6.000    | 6.630      | <div><div></div></div> |
|   |      | After                                   | 6.000    | 5.430     | NOT DONE | 6.630      | <div><div></div></div> |
|   |      | Before-Master                           | ----     | ----      | 0.000    | ----       | <div><div></div></div> |
|   |      | After-Before                            | ----     | ----      | ----     | ----       | <div><div></div></div> |

## OTGC-B (SlimXtreme Telemetry Gamma-ray Cartridge - B (3.0 in. OD) Calibration - Run 2A

|   |           |      |  |
|---|-----------|------|--|
| STGC-B (Simultaneous Telemetry Gamma-Ray Cartridge - B (5.0 in. OD)) Calibration - Run 2A |           |      |  |
| Primary Equipment :   |           |      |  |
| STGC-B Cartridge  | STGC-B    | 8121 |  |
| Auxiliary Equipment :   |           |      |  |
| Accelerometer   | STGC-ACCZ | 7    |  |
| Calibration Parameter :   |           |      |  |
| JIG-BKG (Jig minus background reference)  | 165       |      |  |

### STGC Accelerometer Calibration - STGC Read EEPROM Coefficient

Master (EEPROM): 14:58:40 19-Jul-2021

| Measurement                    | Unit | Phase  | Nominal | Low Limit | Actual        | High Limit |  |  |
|--------------------------------|------|--------|---------|-----------|---------------|------------|--|--|
| Accelerometer Coefficients - 0 |      | Master | 0       | ----      | 3.79700E+000  | ----       |  |  |
| Accelerometer Coefficients - 1 |      | Master | 0       | ----      | -3.90300E-003 | ----       |  |  |
| Accelerometer Coefficients - 2 |      | Master | 0       | ----      | 2.97600E-005  | ----       |  |  |
| Accelerometer Coefficients - 3 |      | Master | 0       | ----      | -4.56300E-008 | ----       |  |  |
| Accelerometer Coefficients - 4 |      | Master | 0       | ----      | 2.74030E+000  | ----       |  |  |
| Accelerometer Coefficients - 5 |      | Master | 0       | ----      | 2.64830E-004  | ----       |  |  |
| Accelerometer Coefficients - 6 |      | Master | 0       | ----      | 4.39200E-007  | ----       |  |  |
| Accelerometer Coefficients - 7 |      | Master | 0       | ----      | 2.85580E-010  | ----       |  |  |
| Accelerometer Coefficients - 8 |      | Master | 0       | ----      | -2.73150E+002 | ----       |  |  |
| Accelerometer Coefficients - 9 |      | Master | 0       | ----      | 1.00000E+000  | ----       |  |  |

### STGC Gamma-Ray Calibration - Gamma-Ray Coefficients

Before (Measured): 09:32:58 18-Jul-2021 Expired by 1 days After:

| Measurement    | Unit | Phase        | Nominal | Low Limit | Actual | High Limit |  |  |
|----------------|------|--------------|---------|-----------|--------|------------|--|--|
| Gamma-Ray Gain |      | Before       | 1.000   | 0.900     | 1.029  | 1.100      |  |  |
|                |      | After        | ----    | ----      | ----   | ----       |  |  |
|                |      | After-Before | ----    | ----      | ----   | ----       |  |  |

### STGC Gamma-Ray Calibration - Gamma-Ray Accumulations

Before (Measured): 09:32:58 18-Jul-2021 Expired by 1 days After:

| Measurement                | Unit | Phase        | Nominal | Low Limit | Actual   | High Limit |  |  |
|----------------------------|------|--------------|---------|-----------|----------|------------|--|--|
| RGR Background Measurement | gAPI | Before       | ----    | 0         | 77.109   | 120.000    |  |  |
|                            |      | After        | ----    | ----      | ----     | ----       |  |  |
|                            |      | After-Before | ----    | ----      | ----     | ----       |  |  |
| RGR Plus Measurement       | gAPI | Before       | 191.400 | 172.260   | 185.968  | 210.540    |  |  |
|                            |      | After        | ----    | ----      | NOT DONE | ----       |  |  |
|                            |      | After-Before | ----    | ----      | ----     | ----       |  |  |

### STGC Gamma-Ray Plateau Check - Gamma-Ray Plateau Check

Before: After:

| Measurement                 | Unit | Phase        | Nominal | Low Limit | Actual | High Limit |  |  |
|-----------------------------|------|--------------|---------|-----------|--------|------------|--|--|
| RGR Zero Plateau Check - 0  | gAPI | Before       | ----    | ----      | ----   | ----       |  |  |
|                             |      | After        | ----    | ----      | ----   | ----       |  |  |
|                             |      | After-Before | ----    | ----      | ----   | ----       |  |  |
| RGR Plus Plateau Check - 0  | gAPI | Before       | ----    | ----      | ----   | ----       |  |  |
|                             |      | After        | ----    | ----      | ----   | ----       |  |  |
|                             |      | After-Before | ----    | ----      | ----   | ----       |  |  |
| RGR Minus Plateau Check - 0 | gAPI | Before       | ----    | ----      | ----   | ----       |  |  |
|                             |      | After        | ----    | ----      | ----   | ----       |  |  |
|                             |      | After-Before | ----    | ----      | ----   | ----       |  |  |

### LEH-MT (Logging Equipment Head - MT, 3-3/8 inch 31 pin HPHT with Tension and Temperature Sensor (Need STGC/HTGC to process temperature signal)) Calibration - Run 2A

Primary Equipment :  
 Logging Equipment Head - MT, 3-3/8 inch 31 pin HPHT with Tension and Temperature Sensor (Need STGC/HTGC to process temperature signal) LEH-MT

### HTEN Master Calibration - HTEN Master Calibration

Master:

| Measurement    | Unit | Phase  | Nominal | Low Limit | Actual   | High Limit |  |  |
|----------------|------|--------|---------|-----------|----------|------------|--|--|
| HTEN Shop Gain |      | Master | 1.000   | 0.800     | NOT DONE | 4.500      |  |  |

|   |      |        |         |           |          |            |   |
|---|------|--------|---------|-----------|----------|------------|---|
| HTEN Shop Offset                                  | lbf  | Master | 0       | -1000.000 | NOT DONE | 1000.000   | <div></div> <div></div> <div></div> <div></div> |
| HTEN Before Calibration - HTEN Before Calibration |      |        |         |           |          |            |   |
| Before:   |      |        |         |           |          |            |   |
| Measurement                                       | Unit | Phase  | Nominal | Low Limit | Actual   | High Limit | <div></div> <div></div>                         |
| RHTE Zero Measurement - 0                         | lbf  | Before | ----    | ----      | ----     | ----       | <div></div> <div></div>                         |
| RHTE Plus Measurement - 0                         | lbf  | Before | ----    | ----      | ----     | ----       | <div></div> <div></div>                         |
| HTEN Gain - 0                                     |      | Before | ----    | ----      | ----     | ----       | <div></div> <div></div>                         |
| HTEN Offset - 0                                   | lbf  | Before | ----    | ----      | ----     | ----       | <div></div> <div></div>                         |

|                     |                    |              |
|---------------------|--------------------|--------------|
| Company:            | University Of Utah | Schlumberger |
| Well:               | FORGE 78B-32       |              |
| Field:              | None               |              |
| County:             | Beaver             |              |
| State:              | Utah               |              |
| Platform Express    |                    |              |
| Compensated Neutron |                    |              |
| Litho-Density       |                    |              |