

Company: Omimex Petroleum Inc

Well: Bledsoe 10-3-5-45

Field: Ballyneal

County: Yuma Country: USA

| | | | | | | | | | |
|-------------------------------|--|--|--|----------------------------------|--|-------------------------|--|--------------------|--|
| Platform Express | | | | | | | | | |
| Array Induction | | | | | | | | | |
| with Linear Correlation | | | | | | | | | |
| County: Yuma | | | | Location: NWSE Sec. 3, T5N, R45W | | Elev. K.B. | | 3789.00 ft | |
| Field: Ballyneal | | | | Location: NWSE Sec. 3, T5N, R45W | | G.L. | | 3783.00 ft | |
| Well: Bledsoe 10-3-5-45 | | | | Location: NWSE Sec. 3, T5N, R45W | | D.F. | | 3788.00 ft | |
| Company: Omimex Petroleum Inc | | | | Location: NWSE Sec. 3, T5N, R45W | | Permanent Datum: | | Ground Level | |
| County: Yuma | | | | Field: Ballyneal | | Log Measured From: | | Kelly Bushing | |
| Well: Bledsoe 10-3-5-45 | | | | Location: NWSE Sec. 3, T5N, R45W | | Drilling Measured From: | | Kelly Bushing | |
| Company: Omimex Petroleum Inc | | | | API Serial No. | | Max Hole Deviation | | Longitude: | |
| County: Yuma | | | | 05-125-11139-0000 | | 1.18 deg | | -102.36701 degrees | |
| Field: Ballyneal | | | | Run 1d | | | | Latitude: | |
| Well: Bledsoe 10-3-5-45 | | | | Depth Driller | | 2697.00 ft | | 3783.00 f | |
| Company: Omimex Petroleum Inc | | | | Schlumberger Depth | | 2697.00 ft | | above Perm.Datum | |
| County: Yuma | | | | Bottom Log Interval | | 2655.00 ft | | | |
| Field: Ballyneal | | | | Top Log Interval | | 466.00 ft | | | |
| Well: Bledsoe 10-3-5-45 | | | | Casing Driller Size @ Depth | | 7 in @ 455.00 ft | | | |
| Company: Omimex Petroleum Inc | | | | Casing Schlumberger | | 455 ft | | | |
| County: Yuma | | | | Bit Size | | 6.25 in | | | |
| Field: Ballyneal | | | | Type Fluid In Hole | | Chemical Gel | | | |
| Well: Bledsoe 10-3-5-45 | | | | Density | | 8.8 lbm/gal | | | |
| Company: Omimex Petroleum Inc | | | | Fluid Loss | | PH | | | |
| County: Yuma | | | | Source of Sample | | Active Tank | | | |
| Field: Ballyneal | | | | RM @ Meas Temp | | 0.4 ohm.m @ 85 degF | | | |
| Well: Bledsoe 10-3-5-45 | | | | RMF @ Meas Temp | | 0.32 ohm.m @ 85 degF | | | |
| Company: Omimex Petroleum Inc | | | | RMC @ Meas Temp | | 0.48 ohm.m @ 68 degF | | | |
| County: Yuma | | | | Source RMF | | RMC | | | |
| Field: Ballyneal | | | | RMF @ BHT | | 0.17 @ 212 0.13 @ 212 | | | |
| Well: Bledsoe 10-3-5-45 | | | | Max Recorded Temperatures | | | | | |
| Company: Omimex Petroleum Inc | | | | Circulation Stopped | | 17-Dec-2013 12:00:00 | | | |
| County: Yuma | | | | Logger on Bottom | | 17-Dec-2013 16:50:30 | | | |
| Field: Ballyneal | | | | Unit Number | | 3022 | | Ft. Morgan, CO | |
| Well: Bledsoe 10-3-5-45 | | | | Recorded By | | Tim Hoffman | | | |
| Company: Omimex Petroleum Inc | | | | Witnessed By | | Jeremy Fisher | | | |

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.

Contents

1. Header
2. Disclaimer
3. Contents
4. Well Sketch
5. Borehole Size/Casing/Tubing Record
6. Operational Run Summary
7. Remarks and Equipment Summary
8. Depth Summary
9. Run1d 2" Induction

9.1 Integration Summary

9.2 Software Version

9.3 Composite Summary

9.4 Log (Import of Kerr McGee 2in Induction)

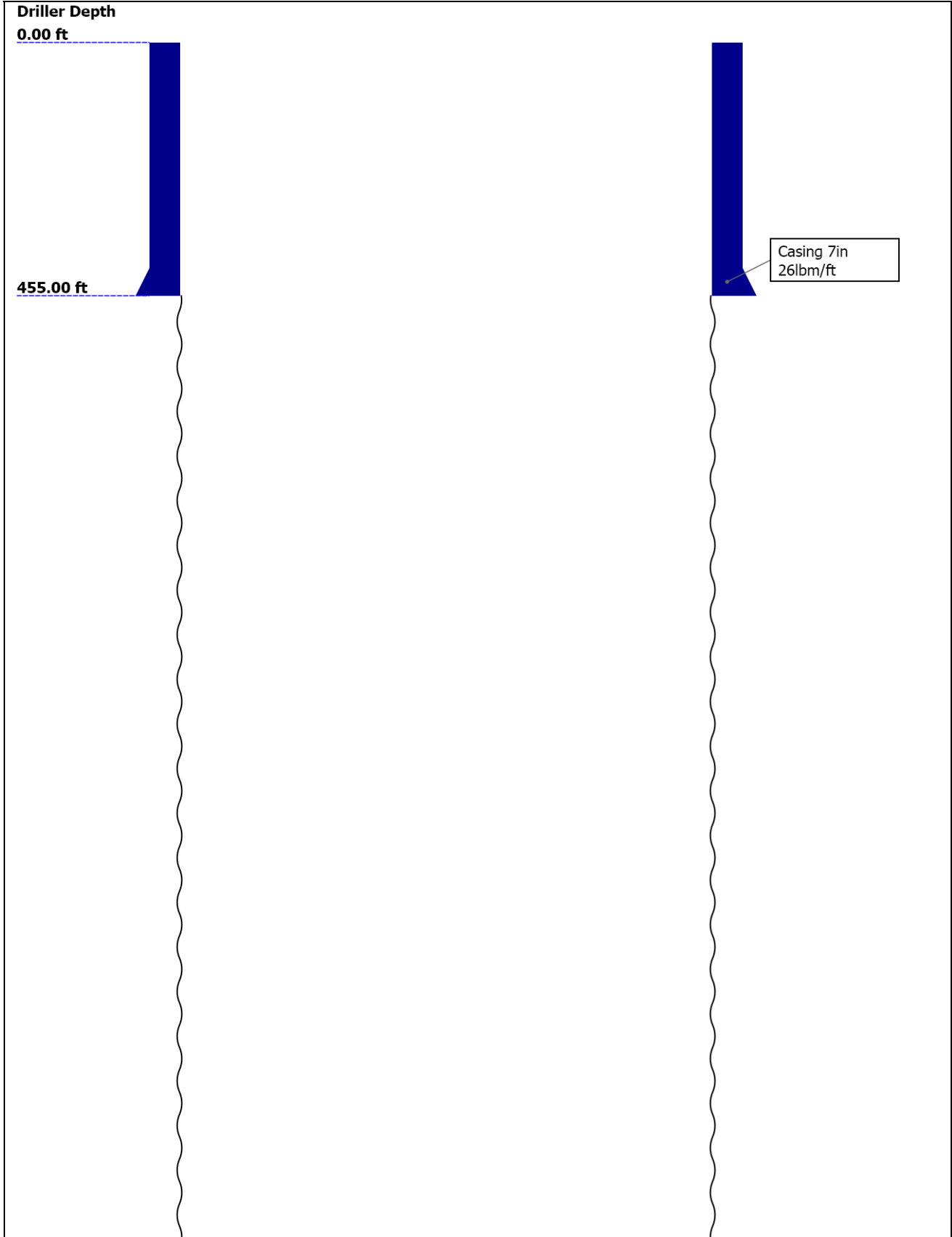
9.5 Parameter Listing
10. Run1d 5" Induction

10.1 Integration Summary

10.2 Software Version

- 10.3 Composite Summary
- 10.4 Log (EMD 5in Induction)
- 10.5 Parameter Listing
- 11. Run1d 5" Induction
 - 11.1 Composite Summary
 - 11.2 EMD 5in Induction RA
- 12. Tail

Well Sketch



2697.00 ft

Open Hole 6.25in

Borehole Size/Casing/Tubing Record

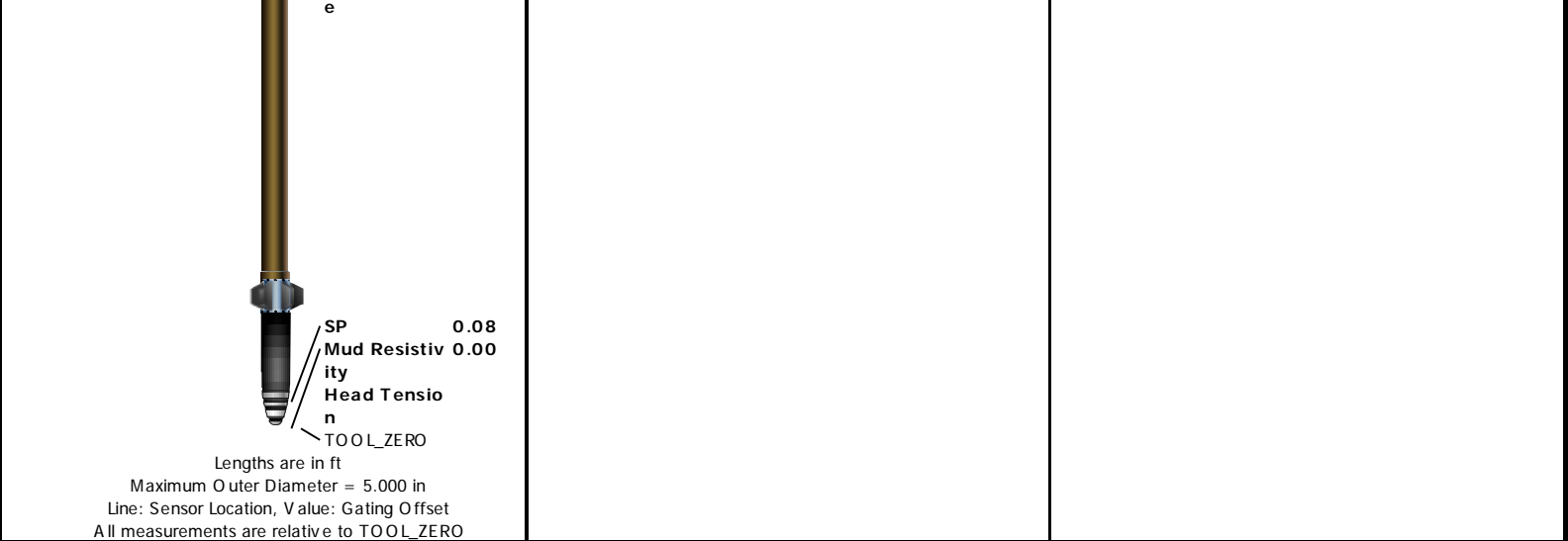
| | | | | | | |
|-----------------------|-------|--|--|--|--|--|
| Bit | | | | | | |
| Bit Size (in) | 6.25 | | | | | |
| Top Driller (ft) | 455 | | | | | |
| Top Logger (ft) | 455 | | | | | |
| Bottom Driller (ft) | 2697 | | | | | |
| Bottom Logger (ft) | 2697 | | | | | |
| Casing | | | | | | |
| Size (in) | 7 | | | | | |
| Weight (lbm/ft) | 26 | | | | | |
| Inner Diameter (in) | 6.283 | | | | | |
| Top Driller (ft) | 0 | | | | | |
| Top Logger (ft) | 0 | | | | | |
| Bottom Driller (ft) | 455 | | | | | |
| Bottom Logger (ft) | 455 | | | | | |

Operational Run Summary

| | | | | | | |
|----------------------------------|----------------|--|--|--|--|--|
| Parameter (unit) | Run1d | | | | | |
| Date Log Started | 17-Dec-2013 | | | | | |
| Time Log Started | 16:26:21 | | | | | |
| Date Log Finished | 17-Dec-2013 | | | | | |
| Time Log Finished | 17:33:38 | | | | | |
| | | | | | | |
| Top Log Interval (ft) | 466.00 | | | | | |
| Bottom Log Interval (ft) | 2655.00 | | | | | |
| | | | | | | |
| Total Depth (ft) | 2663.00 | | | | | |
| Max Hole Deviation (deg) | 1.18 | | | | | |
| Azimuth of Max Deviation (deg) | 19.62 | | | | | |
| Bit Size (in) | 6.250 | | | | | |
| | | | | | | |
| Logging Unit Number | 3022 | | | | | |
| Logging Unit Location | Ft. Morgan, CO | | | | | |
| Recorded By | Tim Hoffman | | | | | |
| Witnessed By | Jeremy Fisher | | | | | |
| Service Order Number | CCN1-00035 | | | | | |

Remarks and Equipment Summary

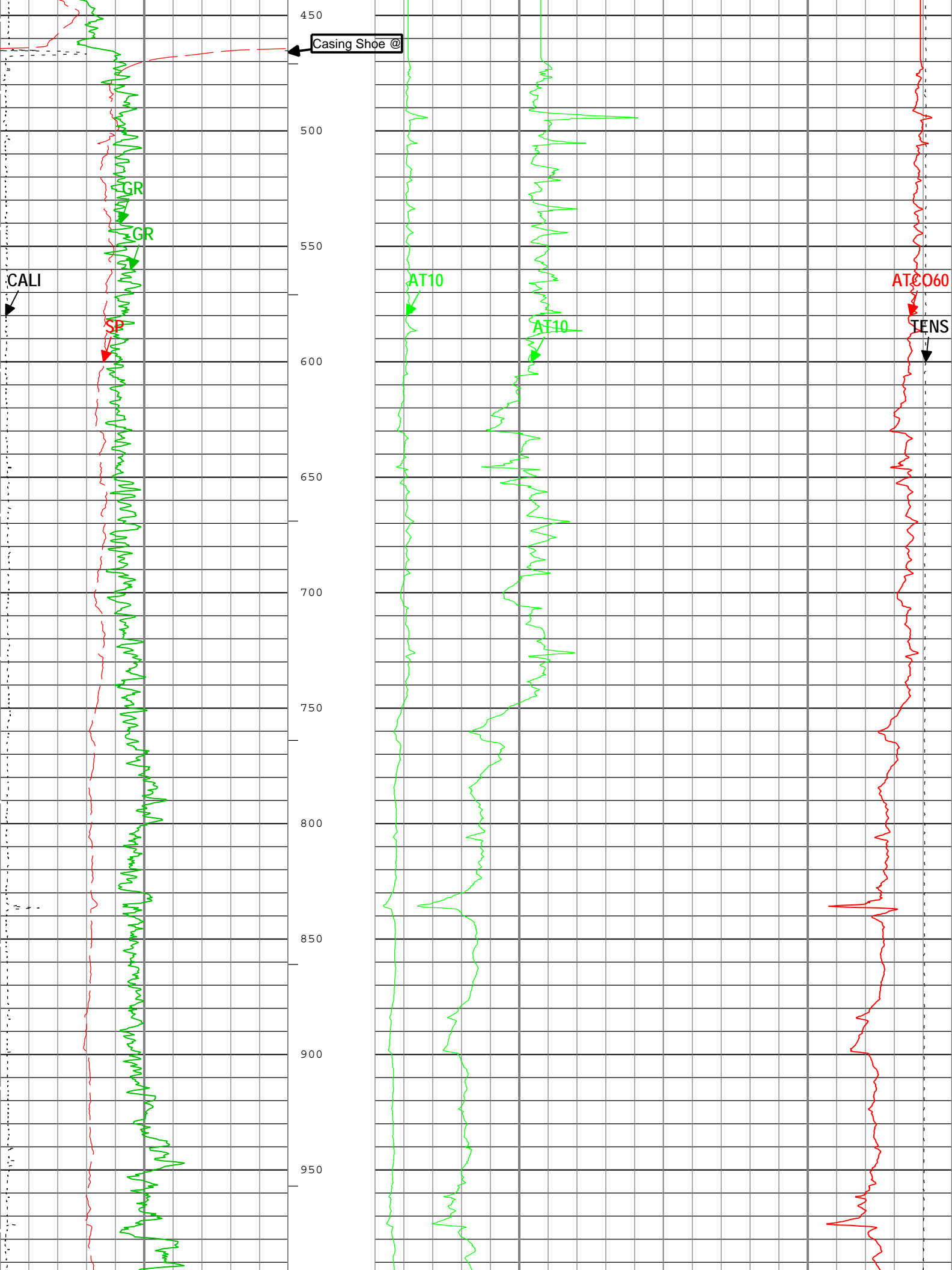
| Run1d: Toolstring | | | | Run1d: Remarks |
|--|------------------------|---|---------------------------------|--|
| Equip name LEH-QT LEH-QT | Length 49.57 | MP name | Offset | This is the first run in hole |
| | | | | Toolstring run as per tool sketch |
| | | | | Toolstring run without bowspring as per client request |
| DTC-H:8906 ECH-KC:9984 DTC-H:8906 | 46.65 | CTEM HV | 45.75 0.00 | Matrix: Limestone (2.71 g/cc) |
| | | ToolStatus TelStatus | 43.65 43.65 | Rig: Excel Rig 2 |
| A H-184 | 43.65 | | | Crew: Jay Musgrave, Derrick Hunter |
| GPIT-F GPIH-B GPIC-F DHRU-F | 41.65 | GPIT-F Incl inometer | 40.23 | |
| HGNS-B:1918 HGNH:2973 NPV-N NSR-F:5069 HACCZ-B:727 HGNS-B:1918 HMCA-B | 37.65 | GPIT Temperature GR | 0.00 37.62 36.91 | |
| | | CNL Porosity HGNS HMCA Accelerometer | 30.57 28.24 28.24 0.00 | |
| HDRS-B:1716 ECH-MEB HRCC-B:860 HRMS-B:1716 GSR-J:5094 Long Spacing HRGD-B:1748 Short Spacing GPV-Q Backscatter | 28.24 | HRCC | 24.24 | |
| | | MCFL Caliper TLD Density | 18.81 18.33 17.94 | |
| AIT-H:398 AHIS:398 AHRM | 16.00 | | | |
| | | Induction Power Supply Temperature | 7.91 7.91 7.91 | |

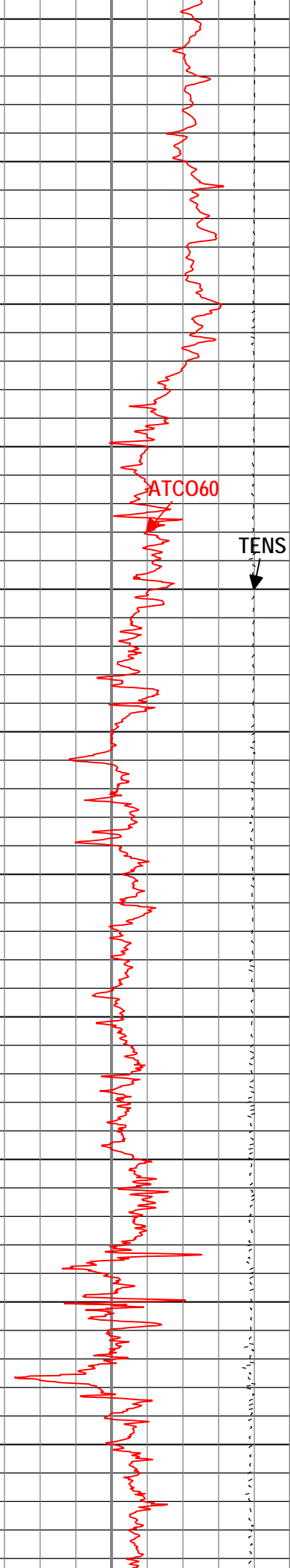
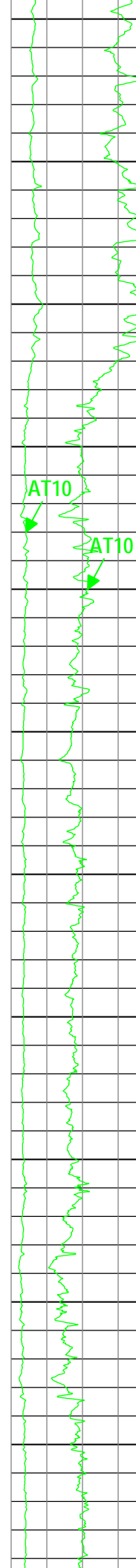
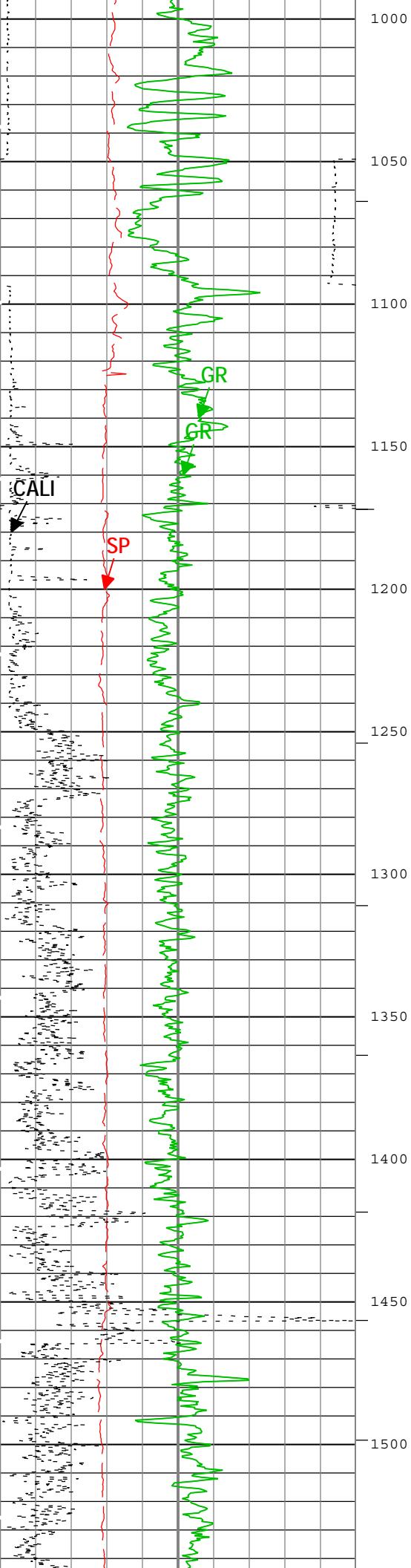


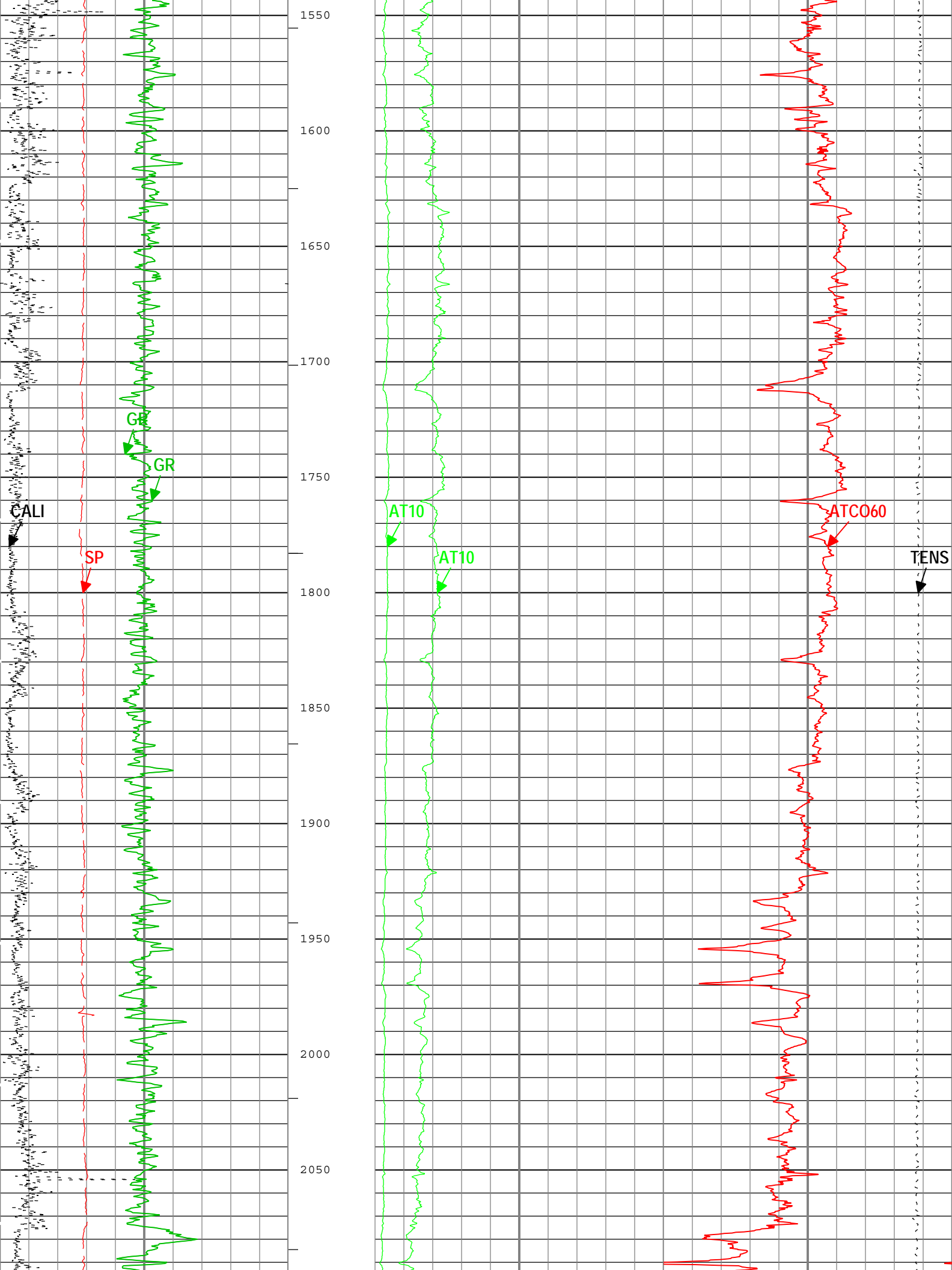
| Depth Summary | | | |
|-----------------------------|---|--|--|
| Depth Control Parameters | Run1d | | |
| Conveyance Type | Wireline | | |
| Stretch Correction (ft) | 0.00 | | |
| Depth Remark Parameters | Run1d | | |
| Depth Remark 1 | All Schlumberger depth policies followed. | | |
| Depth Remark 2 | IDW used as primary depth reference. Z-chart used as secondary. | | |
| Depth Measuring Device | Run1d | | |
| Type | IDW-B | | |
| Wheel Correction 1 | 1 | | |
| Wheel Correction 2 | 0 | | |
| Tension Device | Run1d | | |
| Type | CMTD-B/A | | |
| Calibration Points | 0 | | |
| Logging Cable | Run1d | | |
| Type | 7-46NT-XS | | |
| Logging Cable Length (ft) | 24000.00 | | |
| Run1d | | | |
| 2" Induction | | | |

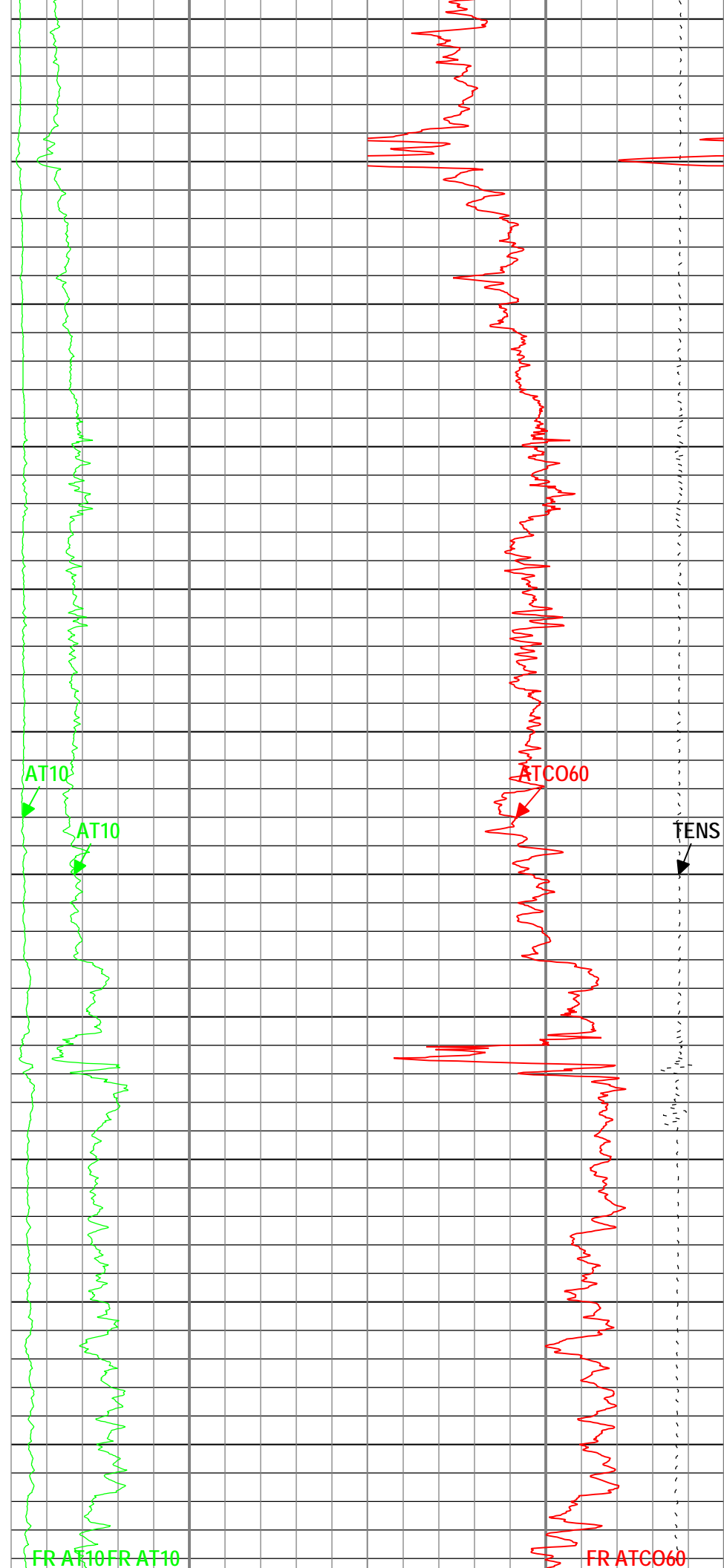
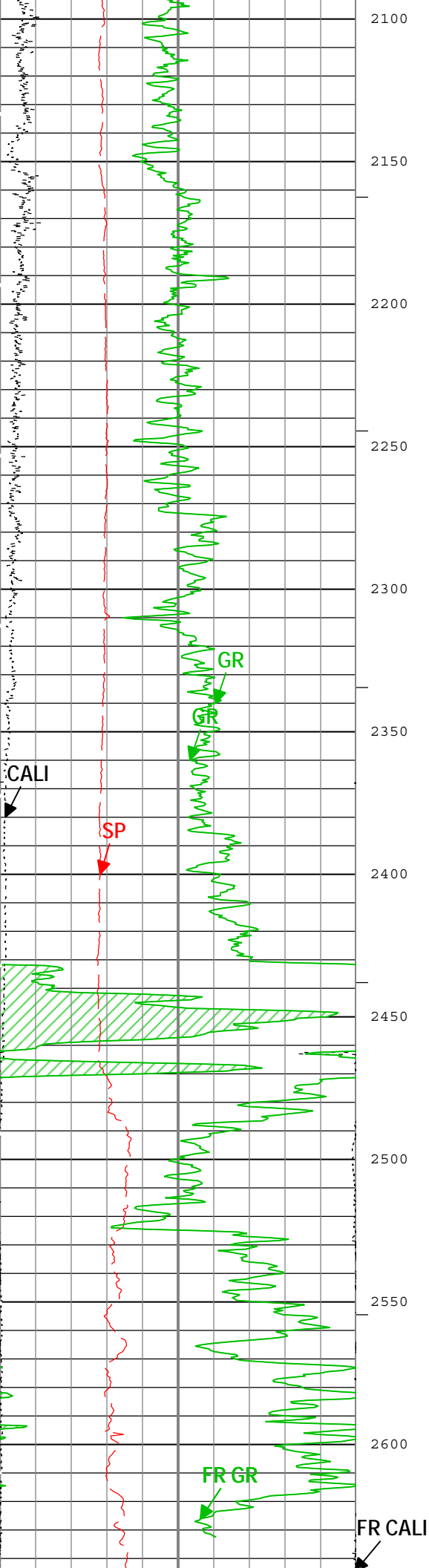
| Integration Summary | | | | |
|---------------------|--------------------------|-------------------|--------------|------|
| Output Channel(s) | Output Description | Input Parameter | Output Value | Unit |
| ICV | Integrated Cement Volume | GCSE_UP_PASS, FCD | 271.94 | ft3 |

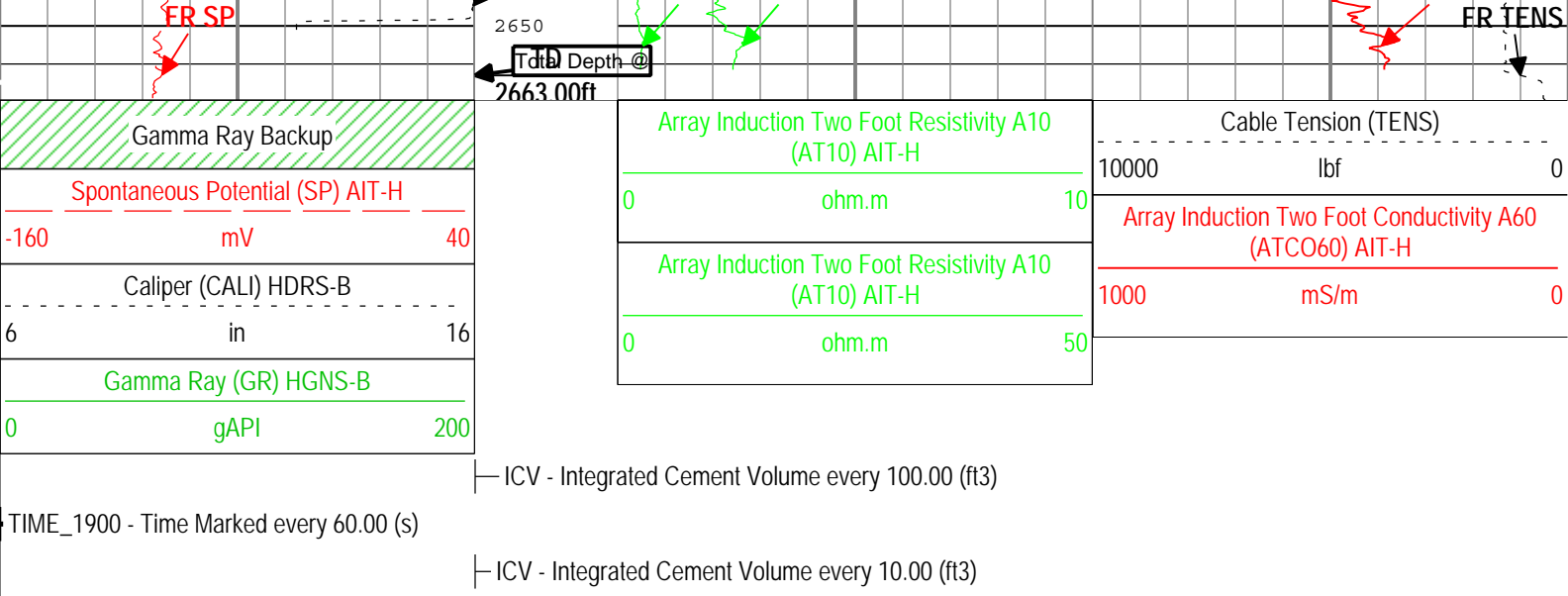
| Software Version | | |
|--------------------|--|----------------------------------|
| Acquisition System | | Version |
| MaxWell | | 3.1.9755.0 |
| Application Patch | | SP-20130325-3.1.9755.1799 |
| | | EXP_APL-AIT-3.1.9755.1975 |
| | | EXP_APL-PPCEXT-3.1.9755.2022 |
| | | EXP_APL-MASTCustWF-3.1.9755.2031 |
| | | EXP_APL-MSCT-3.1.9755.1991 |
| Computation | Description | Version |
| Borehole | Borehole Ensemble provides common Borehole Parameters and Channels | 3.1.9755.1799 |











Description: AIT Basic Log Two Format: Log (Import of Kerr McGee 2in Induction) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured
Depth Creation Date: 17-Dec-2013 17:56:43

| Channel Processing Parameters | | | | |
|-------------------------------|--|-----------|------------------|---------|
| Parameter | Description | Tool | Value | Unit |
| ABHM | Array Induction Borehole Correction Mode | AIT-H | Compute Standoff | |
| ABLM | Array Induction Basic Logs Mode | AIT-H | Normal | |
| ACDE | Array Induction Casing Detection Enable | AIT-H | Yes | |
| ASTA | Array Induction Tool Standoff | AIT-H | 1.125 | in |
| BARI | Barite Mud Presence Flag | Borehole | No | |
| BHS | Borehole Status (Open or Cased Hole) | Borehole | Open | |
| BS | Bit Size | WLSESSION | Depth Zoned | in |
| CALI_SHIFT | CALI Supplementary Offset | HDRS-B | -0.18 | in |
| CBLO | Casing Bottom (Logger) | WLSESSION | 455 | ft |
| CDEN | Cement Density | HGNS-B | 2 | g/cm3 |
| CSODDRL | Casing Outer Diameter - Zoned along driller depths | WLSESSION | 7 | in |
| DFD | Drilling Fluid Density | Borehole | 8.8 | lbm/gal |
| FCD | Future Casing (Outer) Diameter | WLSESSION | 4.5 | in |
| GCSE_DOWN_PASS | Generalized Caliper Selection for WL Log Down Passes | Borehole | BS | |
| GCSE_UP_PASS | Generalized Caliper Selection for WL Log Up Passes | Borehole | CALI | |
| GRSE | Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity | Borehole | AMF | |
| SOCO | Standoff Correction Option | HGNS-B | Yes | |
| SPDR | SP Drift Per Foot | AIT-H | 0 | mV/ft |

| Depth Zone Parameters | | | |
|-----------------------|-------|--------------|-------------|
| Parameter | Value | Start (ft) | Stop (ft) |
| BS | 0 | 262.5 | 455 |
| BS | 6.25 | 455 | 2669.5 |
| All depth are actual. | | | |

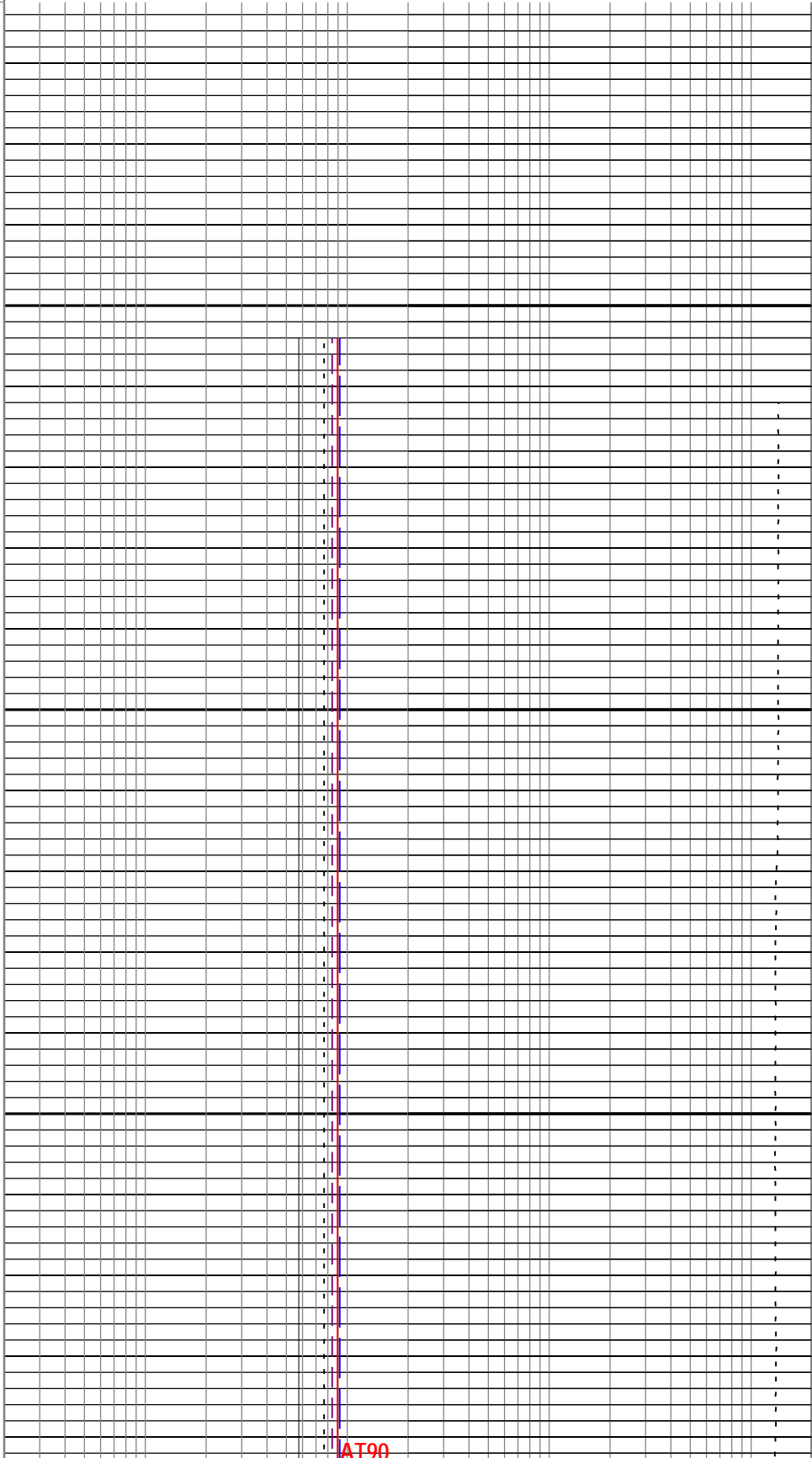
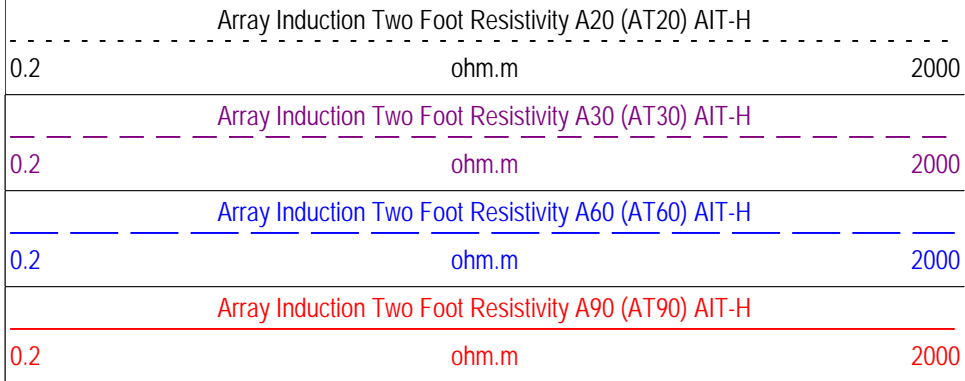
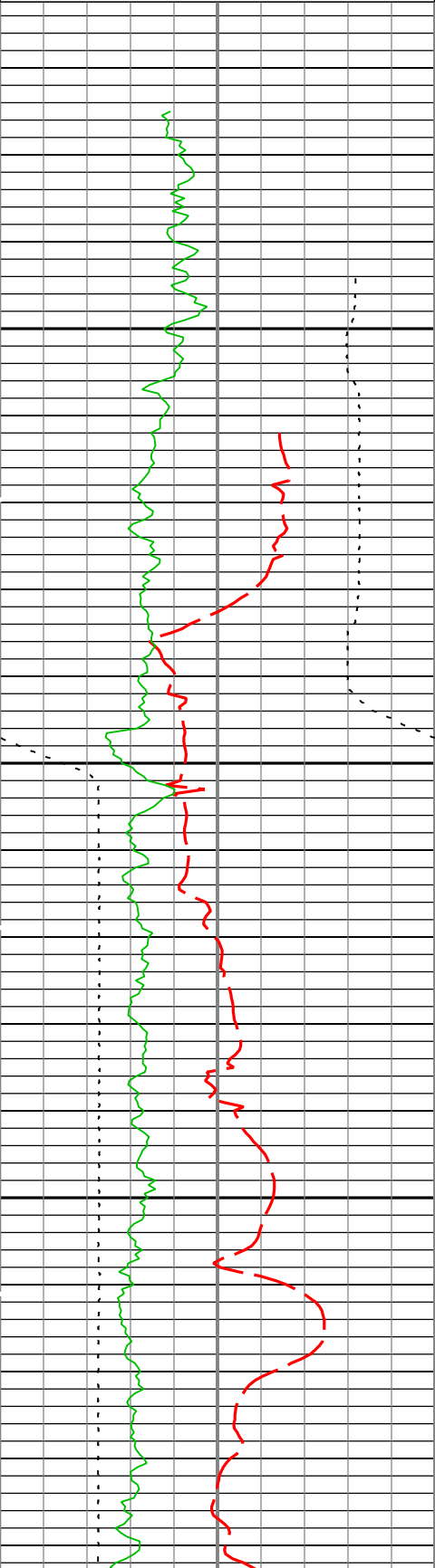
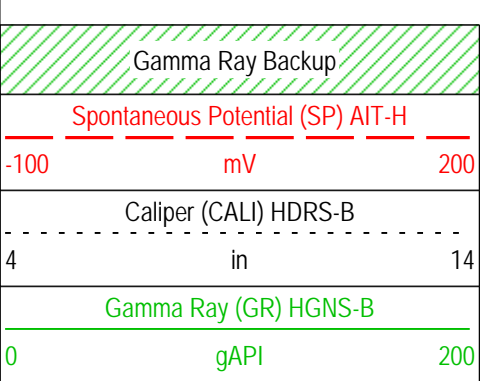
| Tool Control Parameters | | | | |
|-------------------------|----------------------------------|-----------|-------|------|
| Parameter | Description | Tool | Value | Unit |
| MAX_LOG_SPEED | Toolstring Maximum Logging Speed | WLSESSION | 3600 | ft/h |

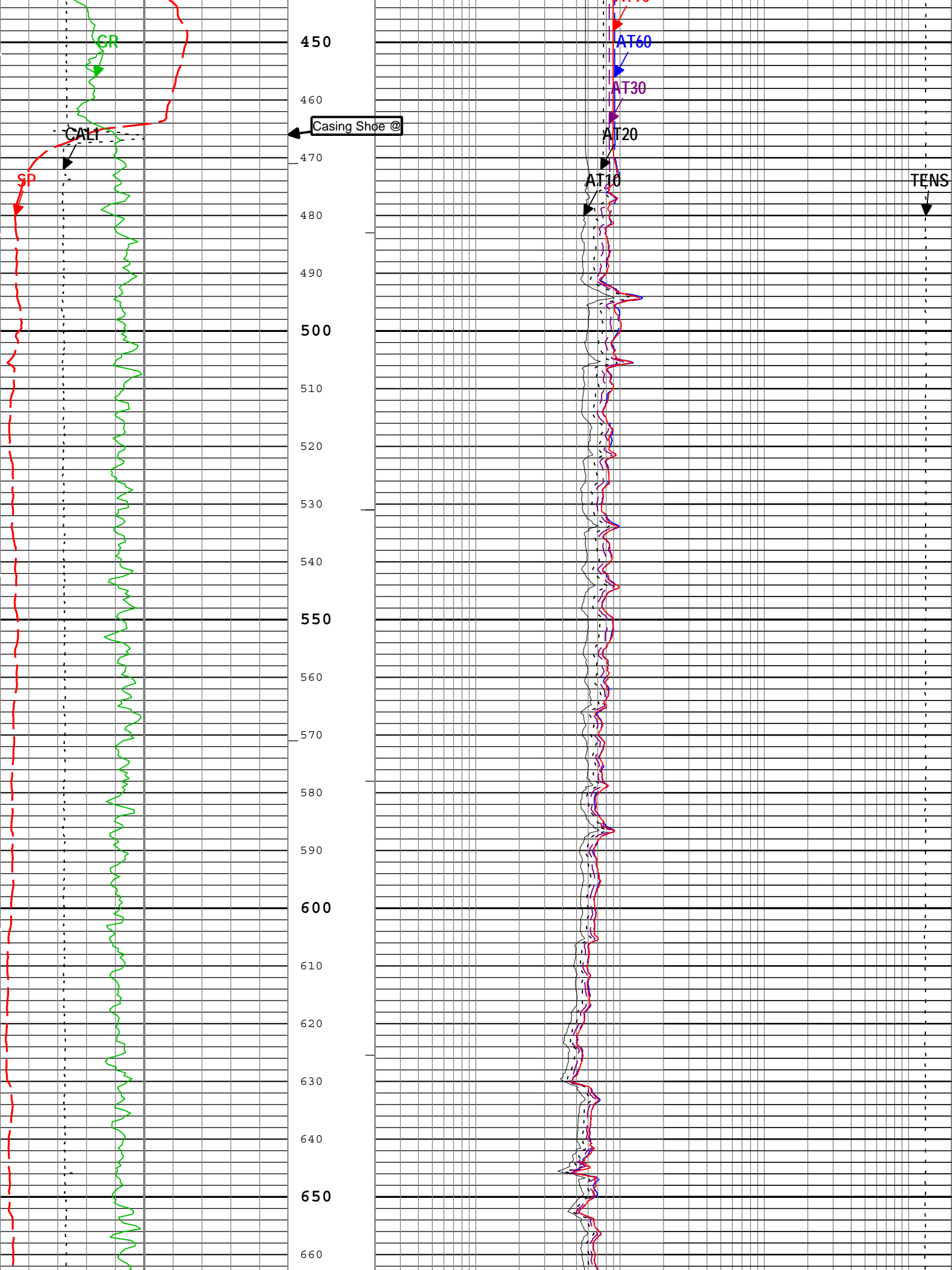
Run1d

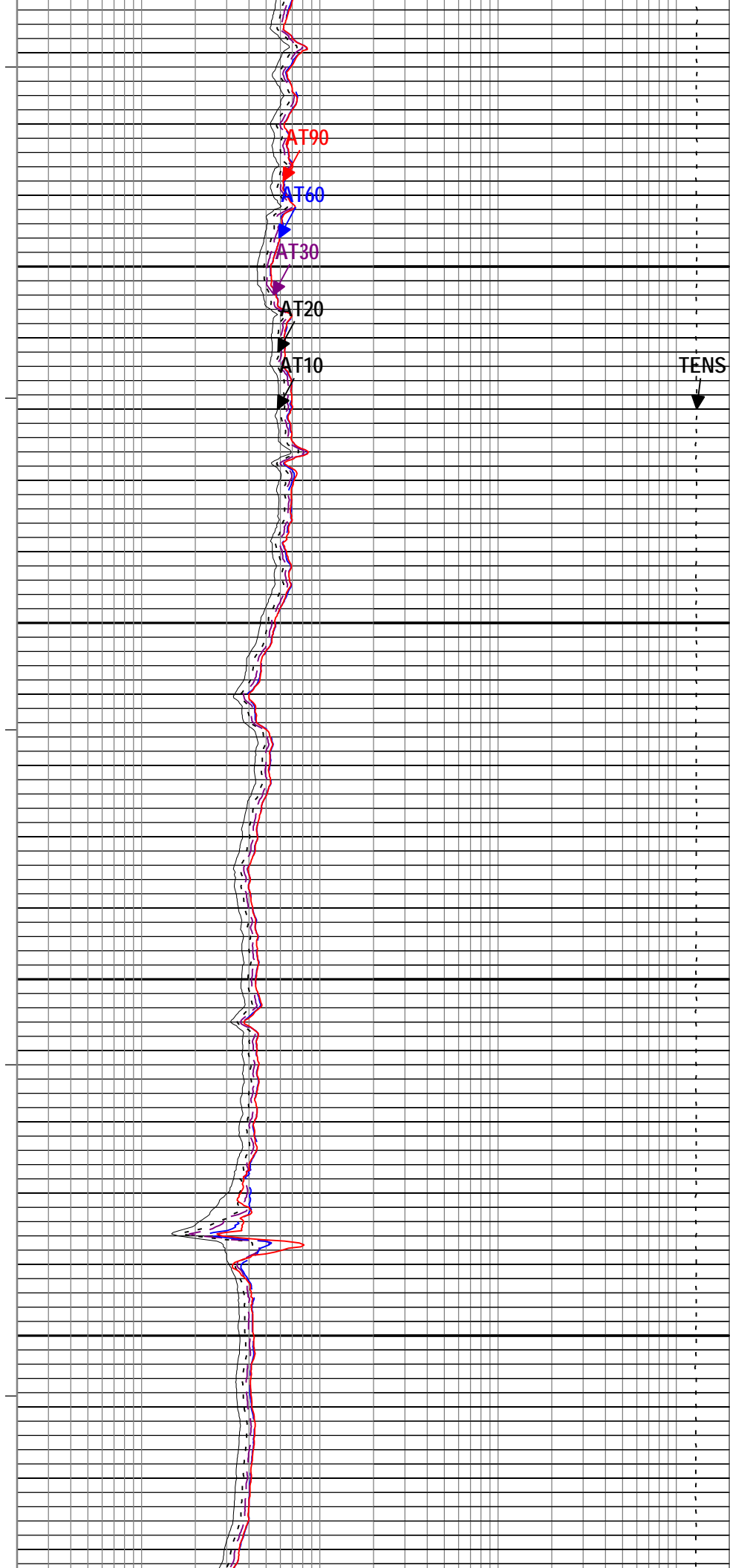
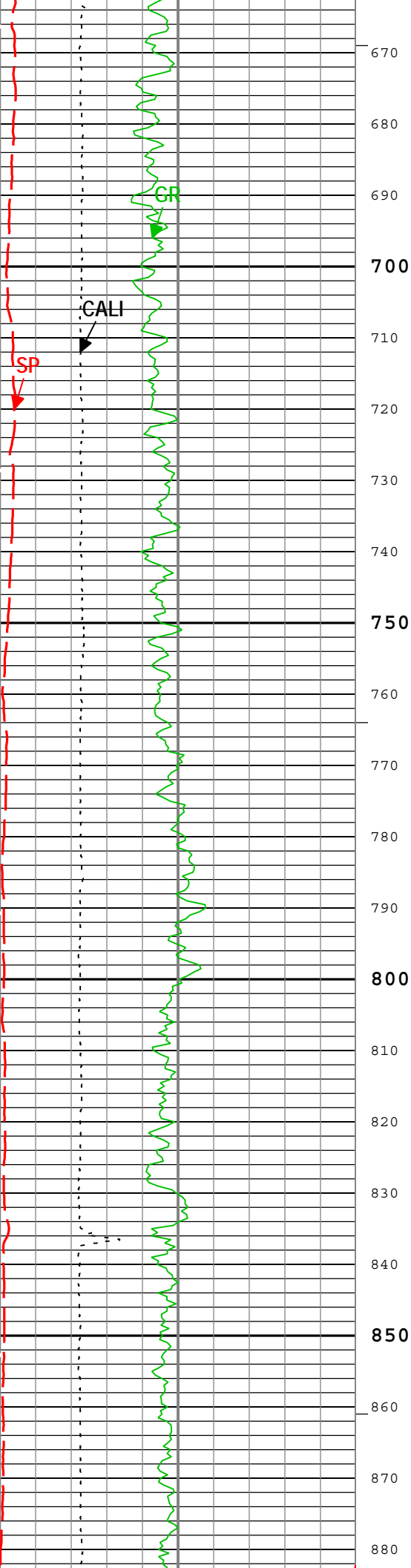
5" Induction

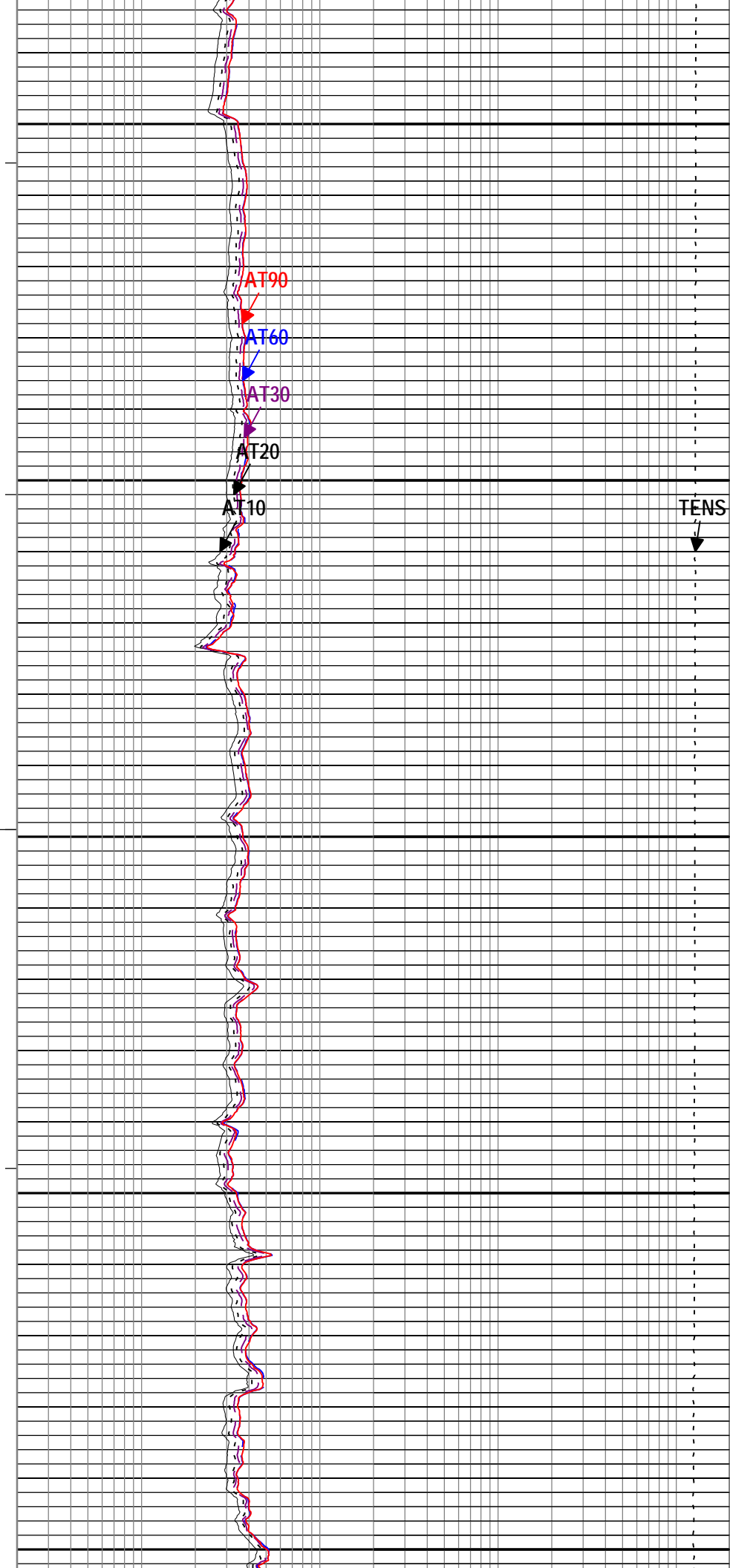
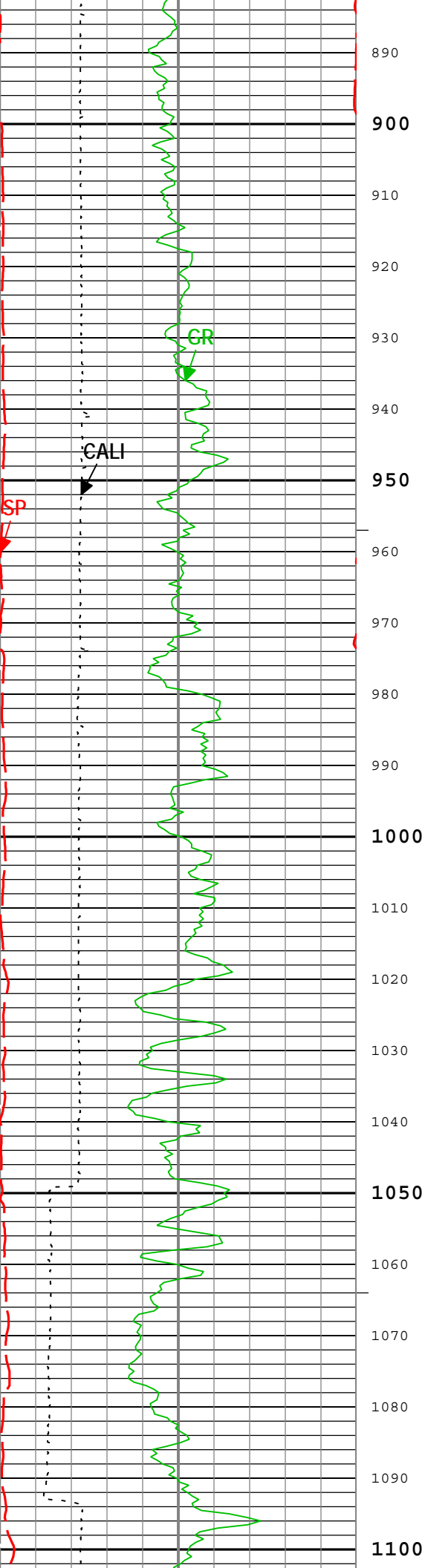
| Integration Summary | | | | |
|---------------------|--|--|--|--|
|---------------------|--|--|--|--|

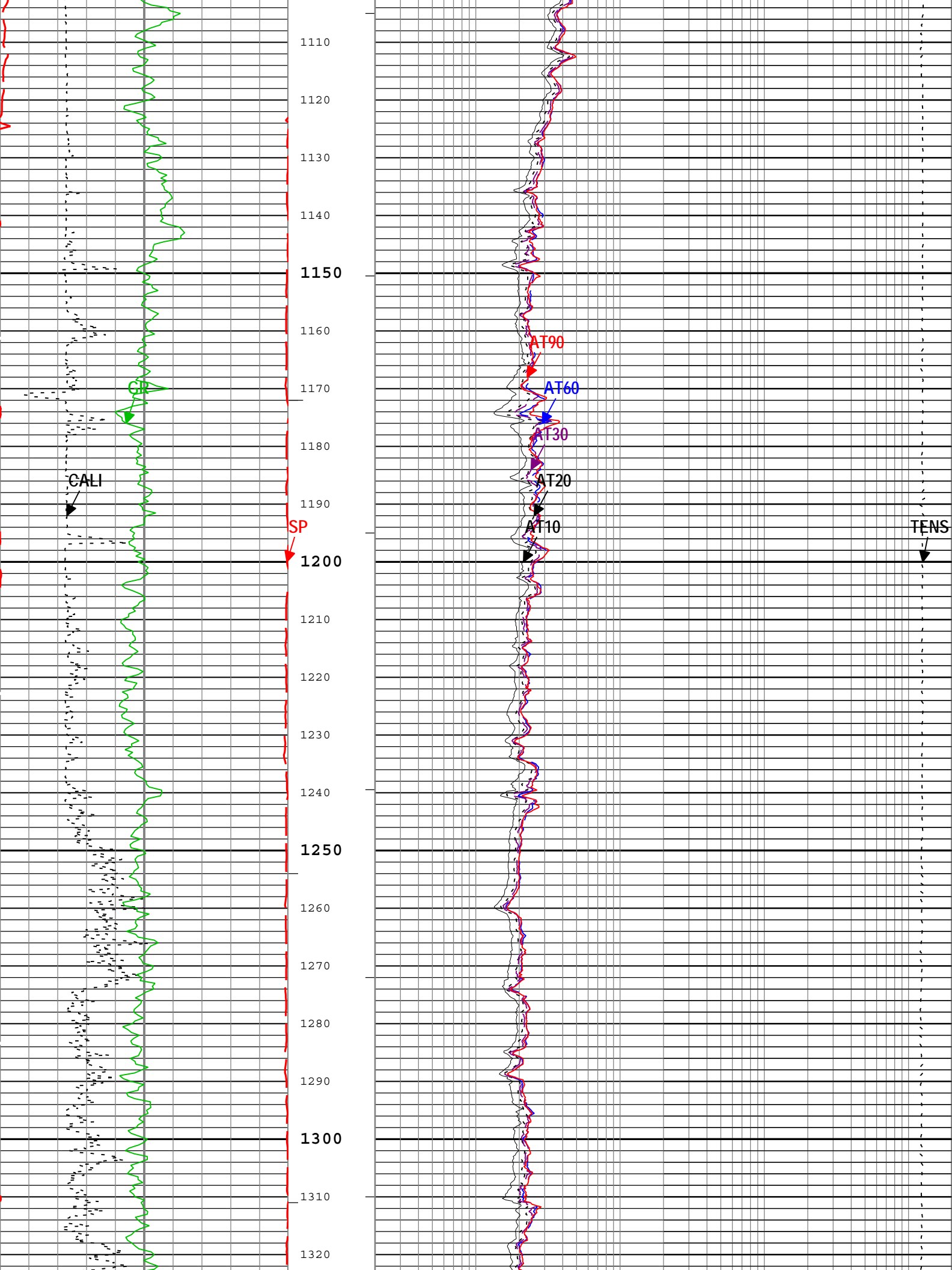
| Output Channel(s) | | Output Description | | Input Parameter | | Output Value | | Unit | |
|--|----------------------|--|-----------|-------------------|------------------------|----------------------------------|---------------|-----------------------|--|
| ICV | | Integrated Cement Volume | | GCSE_UP_PASS, FCD | | 271.94 | | ft3 | |
| IHV | | Integrated Hole Volume | | GCSE_UP_PASS | | 516.19 | | ft3 | |
| Software Version | | | | | | | | | |
| Acquisition System | | | | | | Version | | | |
| MaxWell | | | | | | 3.1.9755.0 | | | |
| Application Patch | | | | | | SP-20130325-3.1.9755.1799 | | | |
| | | | | | | EXP_APL-AIT-3.1.9755.1975 | | | |
| | | | | | | EXP_APL-PPCEXT-3.1.9755.2022 | | | |
| | | | | | | EXP_APL-MASTCustWF-3.1.9755.2031 | | | |
| | | | | | | EXP_APL-MSCT-3.1.9755.1991 | | | |
| Computation | | Description | | | | | Version | | |
| Borehole | | Borehole Ensemble provides common Borehole Parameters and Channels | | | | | 3.1.9755.1799 | | |
| Tool Elements | | Description | | | Software Version | | | Firmware Version | |
| AHIS | | Array Induction Sonde - H | | | 3.1.9755.1975 | | | | |
| HGNS-B | | HILT Gamma-Ray and Neutron Sonde, 125 degC | | | 3.1.9755.0 | | | 2.0 | |
| HRCC-B | | HILT High-Resolution Control Cartridge, 125 degC | | | 3.1.9755.0 | | | 2.0 | |
| Pass Summary | | | | | | | | | |
| Run Name | Pass Objective | Direction | Top | Bottom | Start | Stop | Depth Shift | Include Parallel Data | |
| Run1d | Log[3]:Up | Up | 311.83 ft | 2669.44 ft | 17-Dec-2013 4:52:46 PM | 17-Dec-2013 5:33:08 PM | 0.00 ft | | |
| All depths are referenced to toolstring zero | | | | | | | | | |
| Log | | Run1d: Log[3]:Up | | | | | | | |
| Description: AIT Basic Log Two Format: Log (EMD 5in Induction) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 17-Dec-2013 17:56:47 | | | | | | | | | |
| Channel | Source | Sampling | | | | | | | |
| AT10 | AIT-H:AHIS:AHIS | 3in | | | | | | | |
| AT20 | AIT-H:AHIS:AHIS | 3in | | | | | | | |
| AT30 | AIT-H:AHIS:AHIS | 3in | | | | | | | |
| AT60 | AIT-H:AHIS:AHIS | 3in | | | | | | | |
| AT90 | AIT-H:AHIS:AHIS | 3in | | | | | | | |
| CALI | HDRS-B:HRCC-B:HRCC-B | 1in | | | | | | | |
| GR | HGNS-B:HGNS-B:HGNS-B | 6in | | | | | | | |
| ICV | Borehole | 6in | | | | | | | |
| IHV | Borehole | 6in | | | | | | | |
| SP | AIT-H:AHIS:AHIS | 6in | | | | | | | |
| TENS | WLWorkflow | 6in | | | | | | | |
| TIME_1900 | WLWorkflow | 0.1in | | | | | | | |
| └─IHV - Integrated Hole Volume every 10.00 (ft3) | | | | | | | | | |
| └─IHV - Integrated Hole Volume every 100.00 (ft3) | | | | | | | | | |
| TIME_1900 - Time Marked every 60.00 (s) | | | | | | | | | |
| └─ICV - Integrated Cement Volume every 10.00 (ft3) | | | | | | | | | |
| └─ICV - Integrated Cement Volume every 100.00 (ft3) | | | | | | | | | |
| | | | | | | Cable Tension (TENS) | | | |
| | | | | | | 10000 | lbf | 0 | |
| Array Induction Two Foot Resistivity A10 (AT10) AIT-H | | | | | | | | | |
| 0.2 | | ohm.m | | | | | | 2000 | |

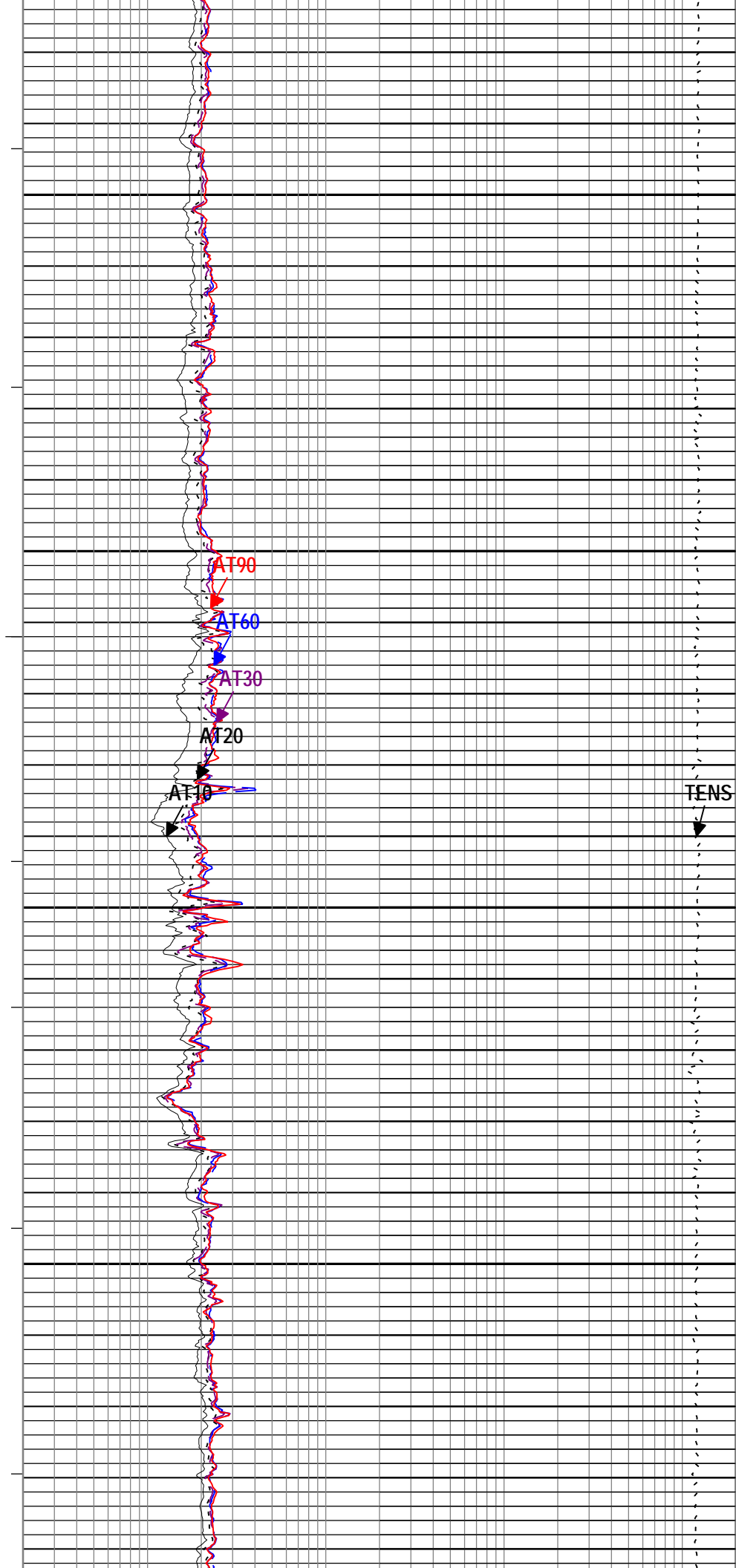
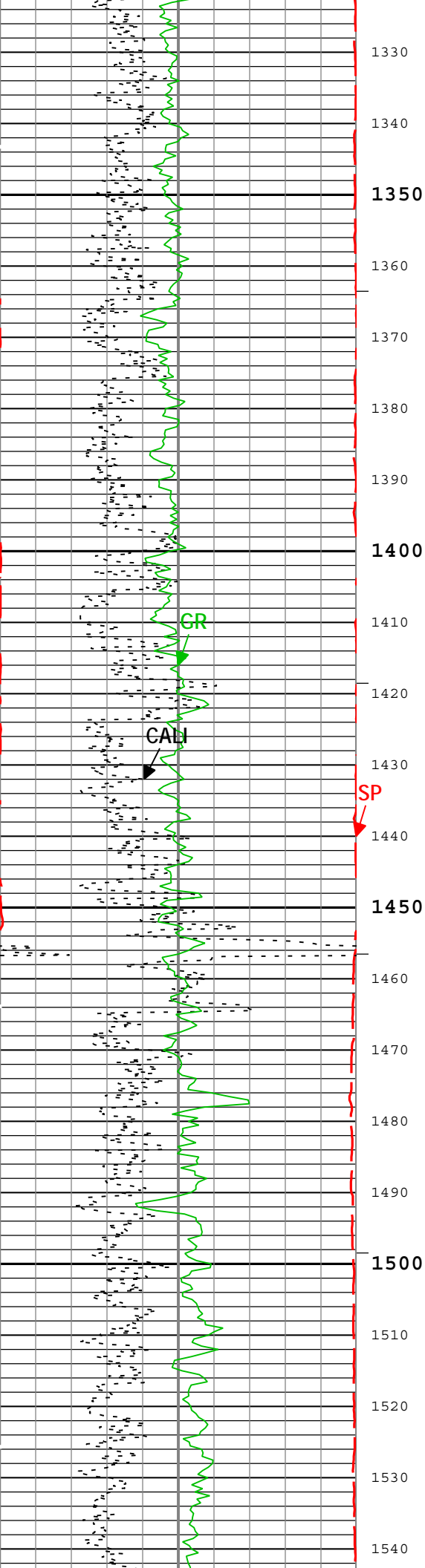


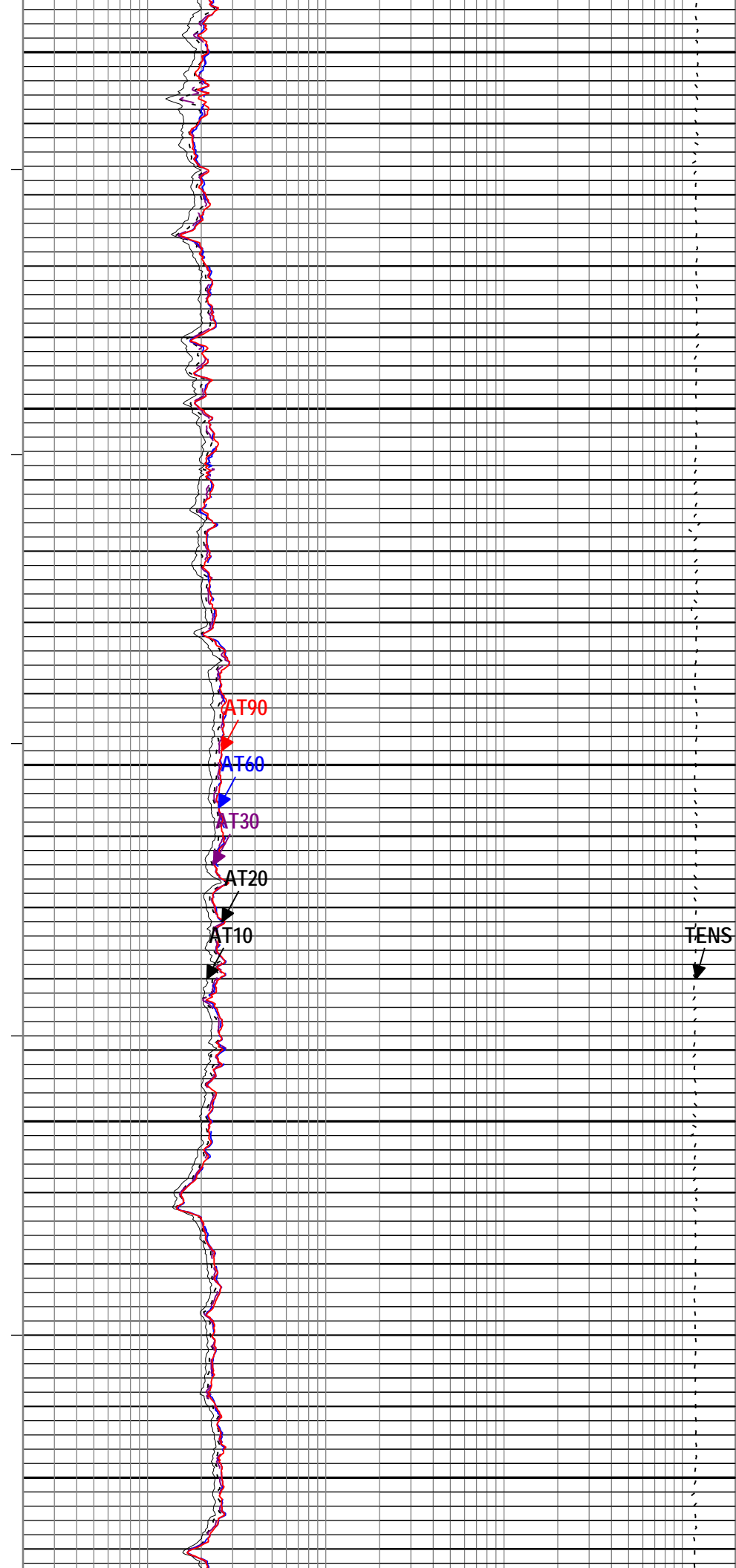
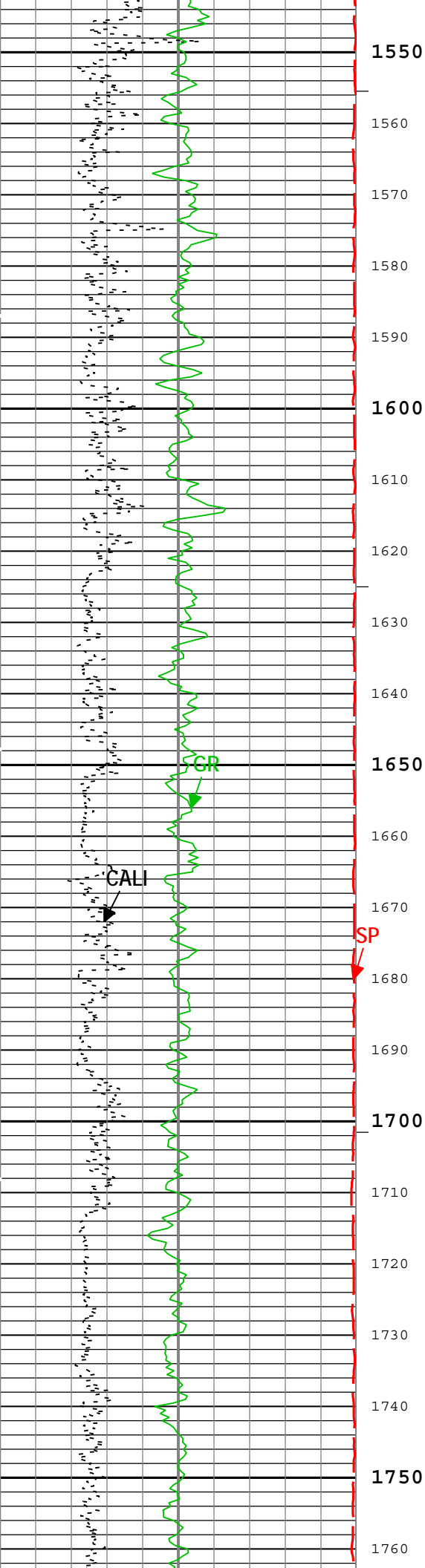


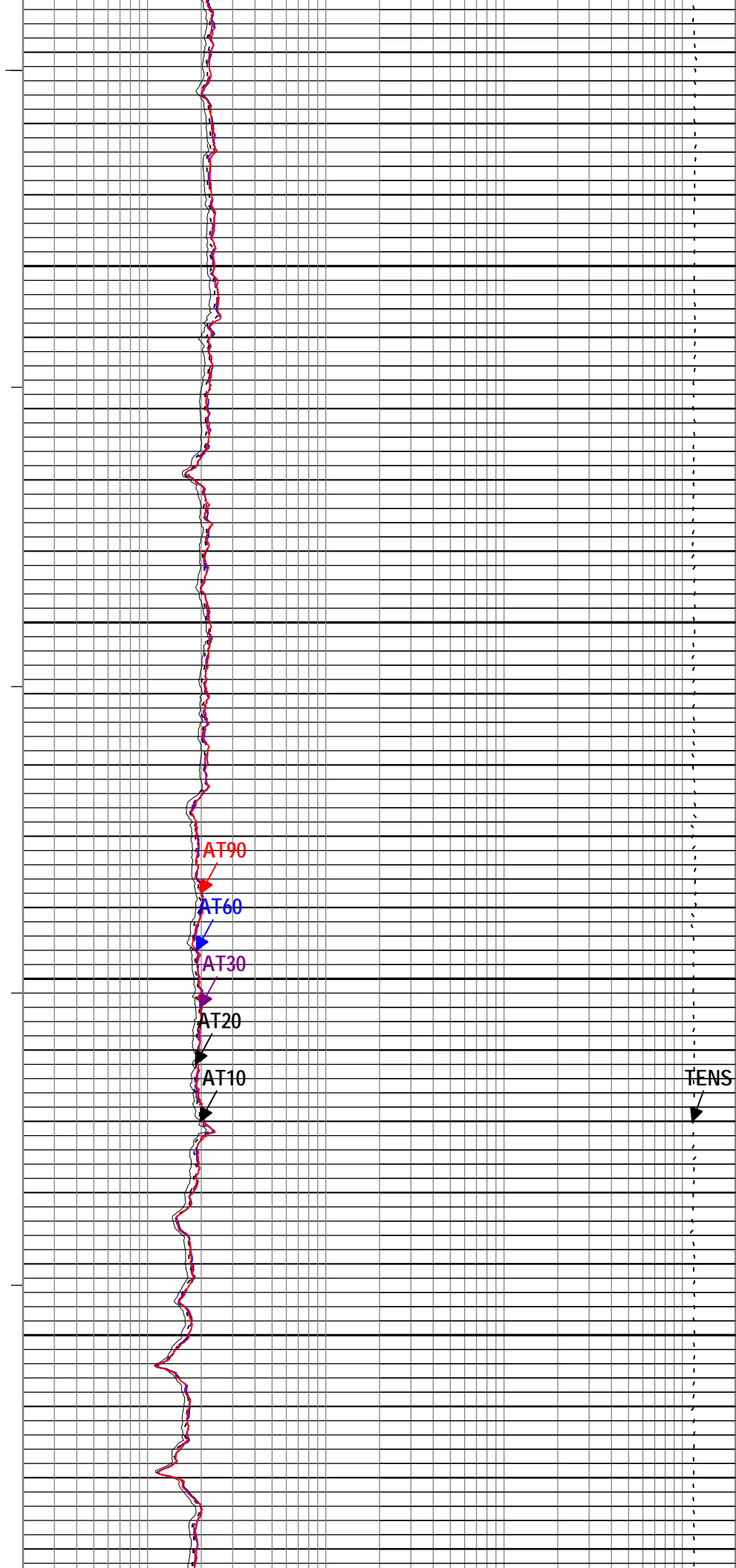
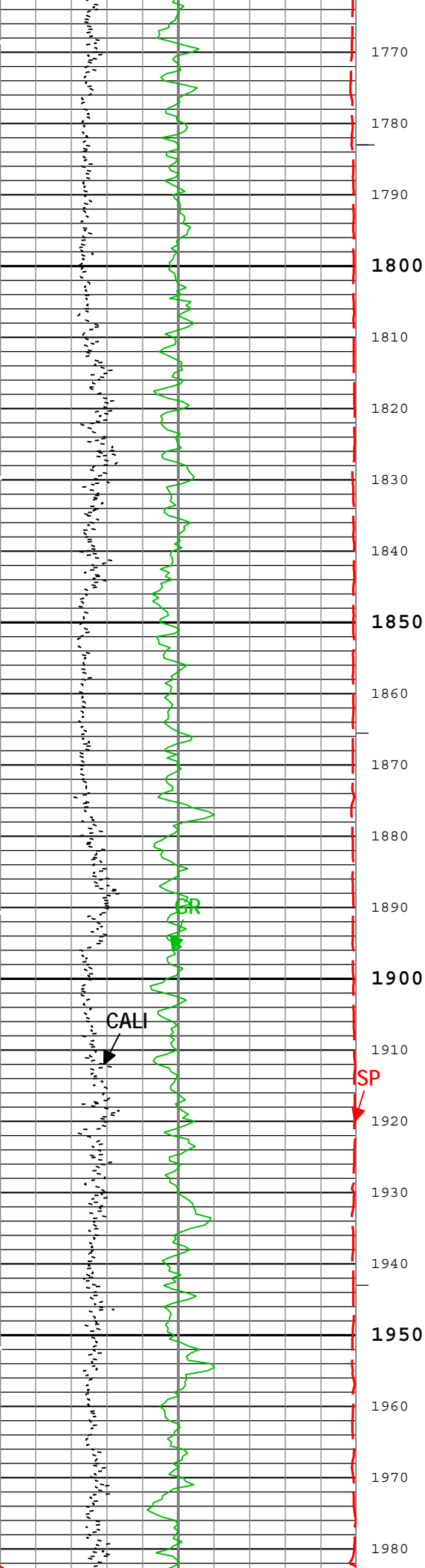


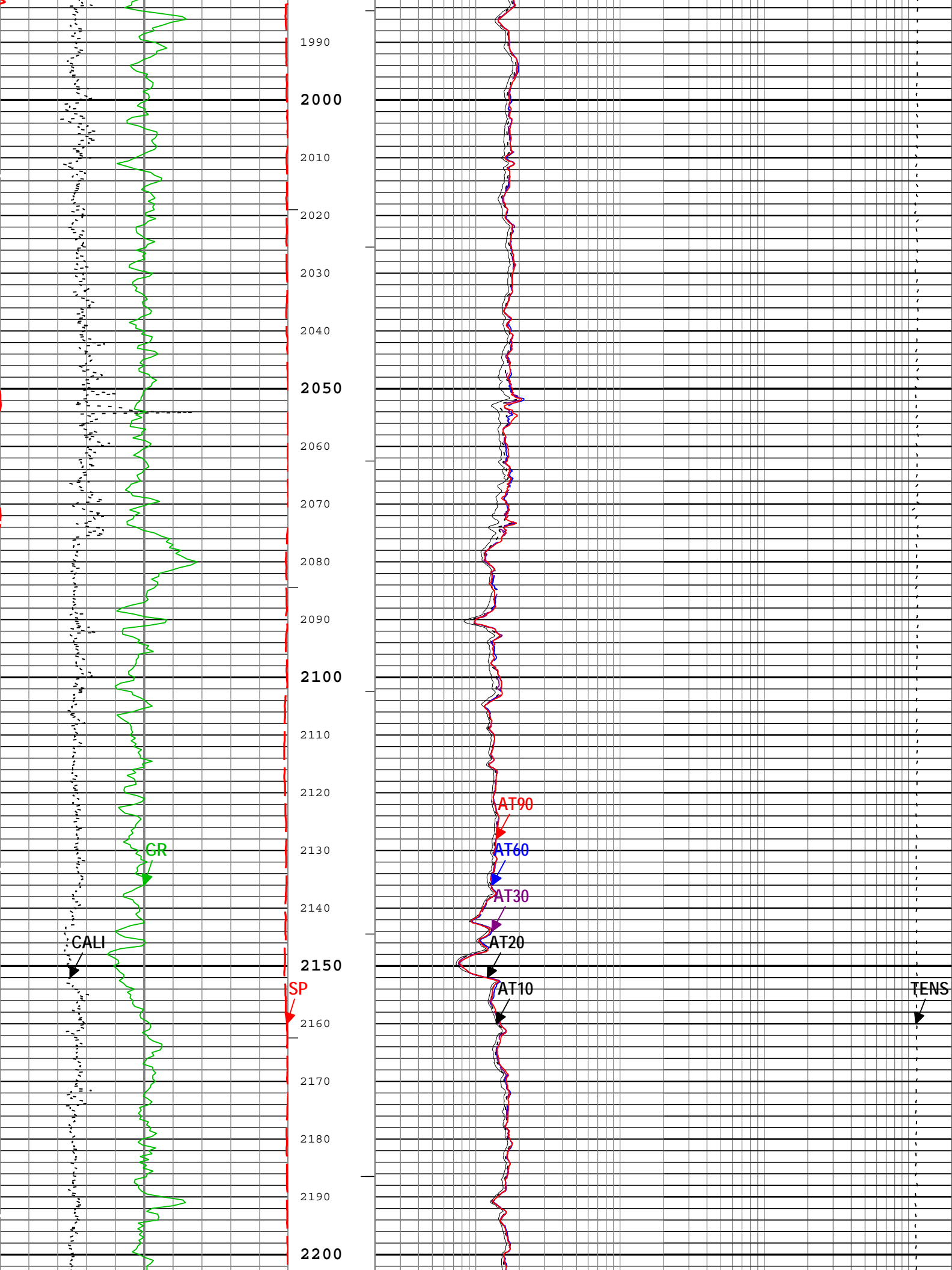


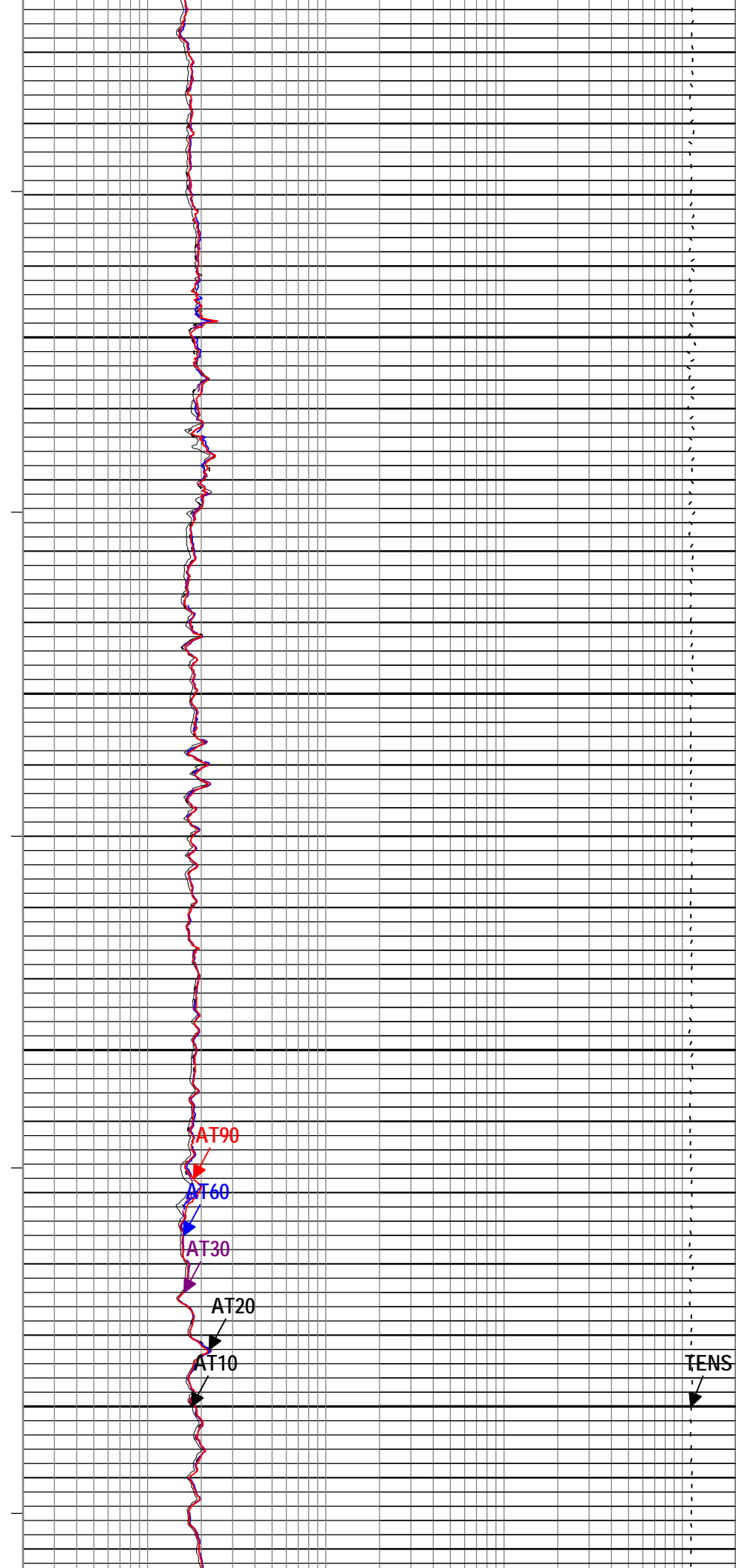
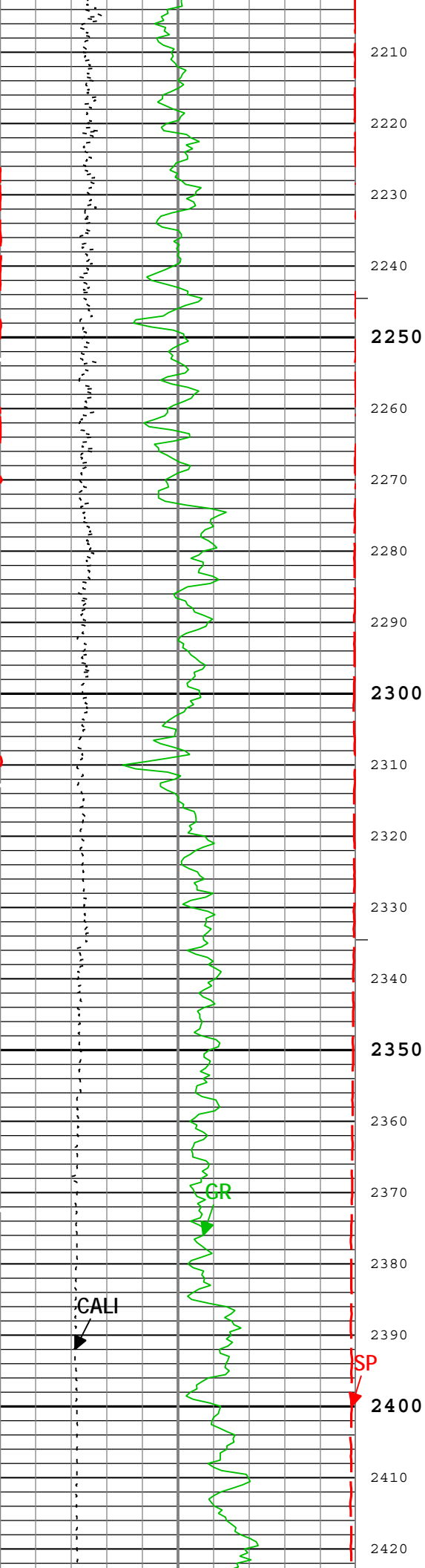


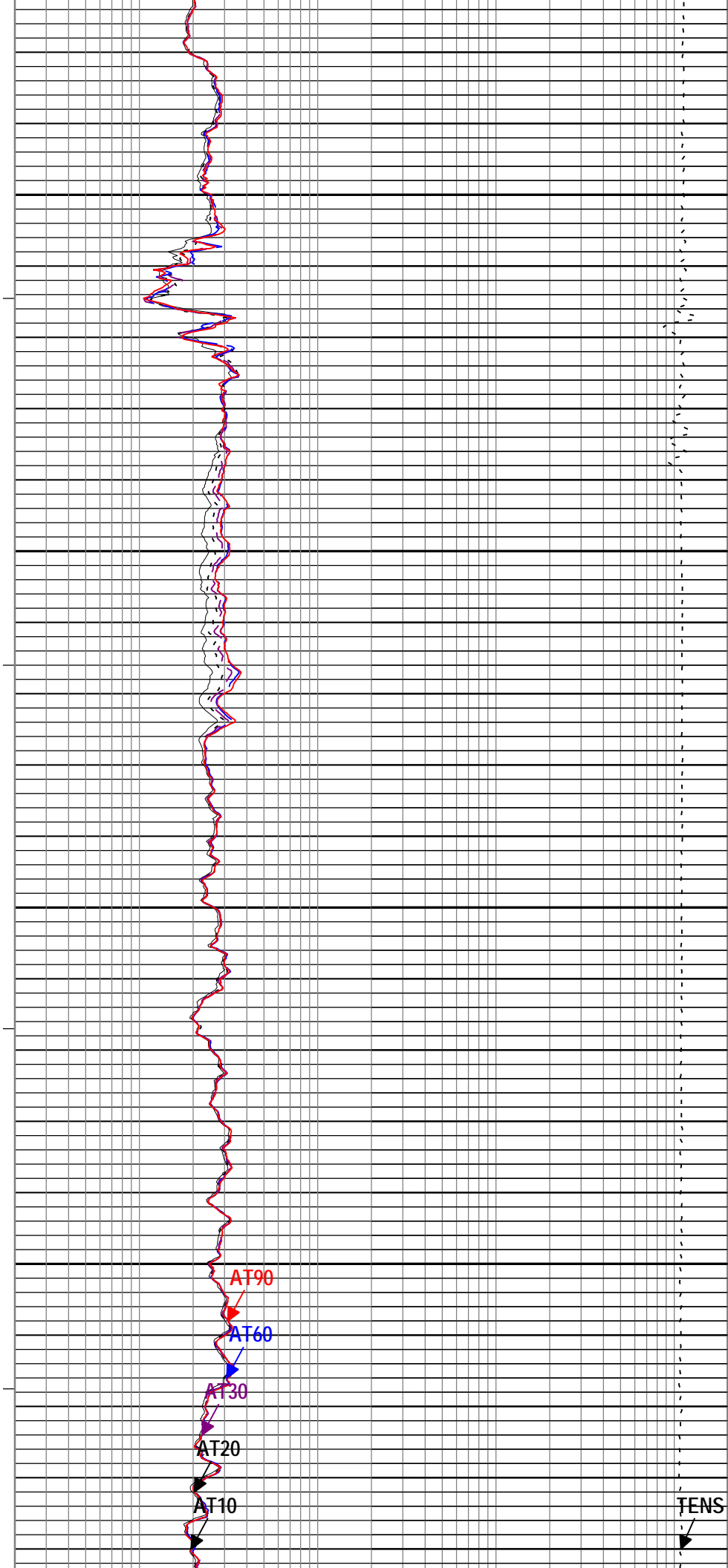
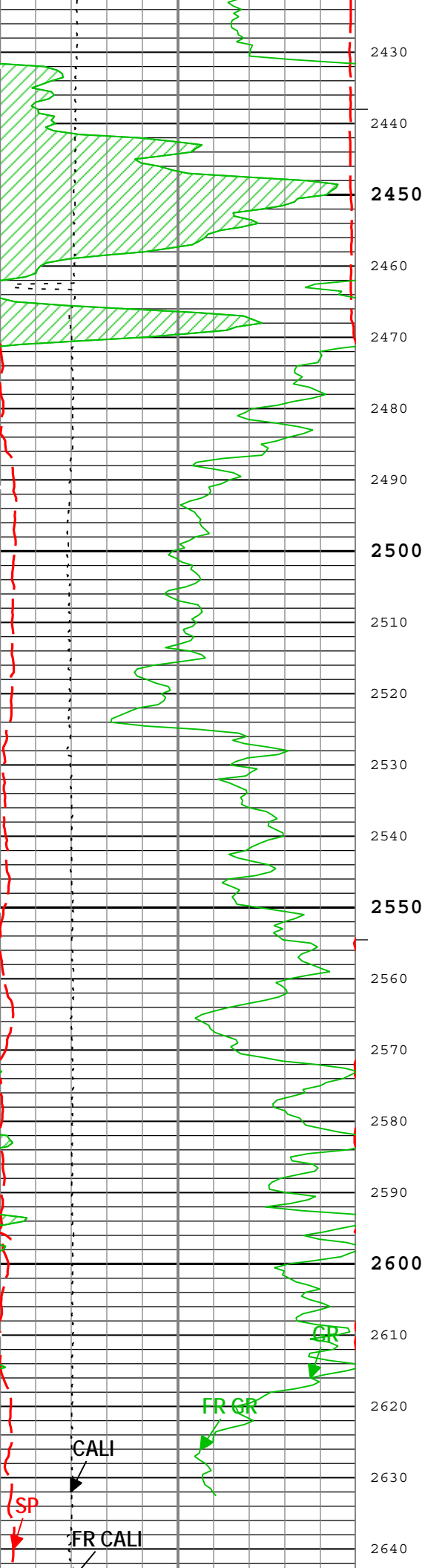


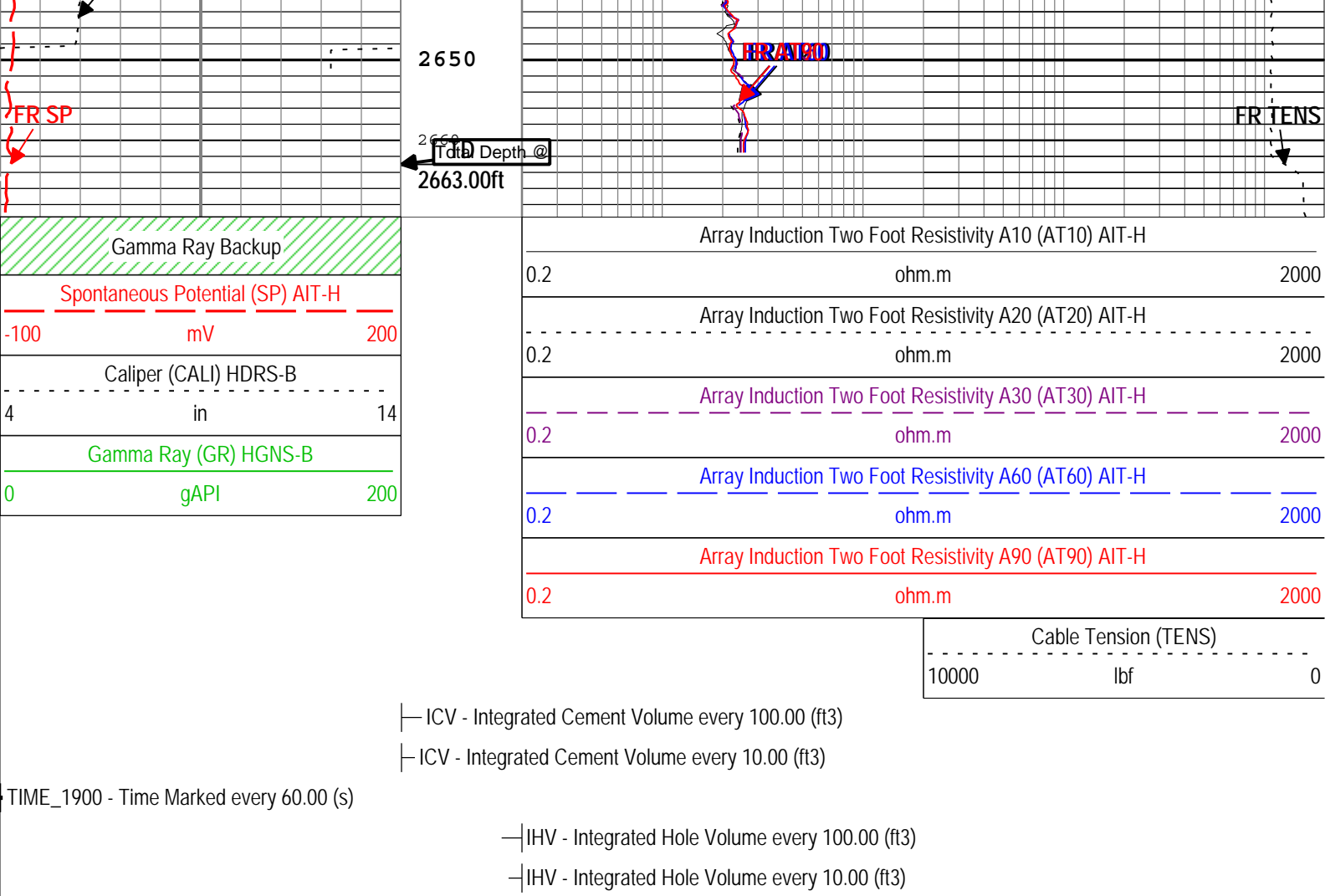










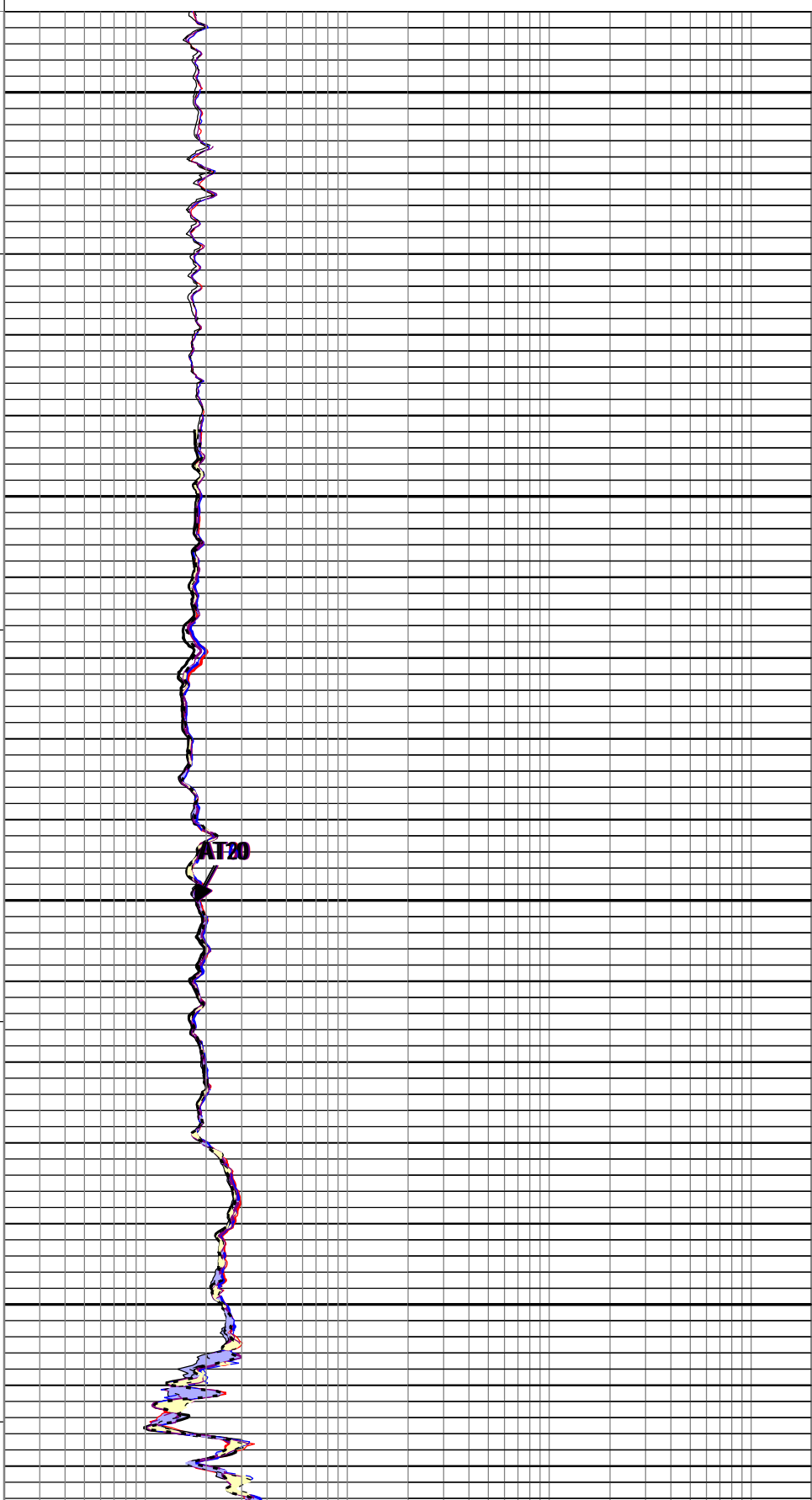
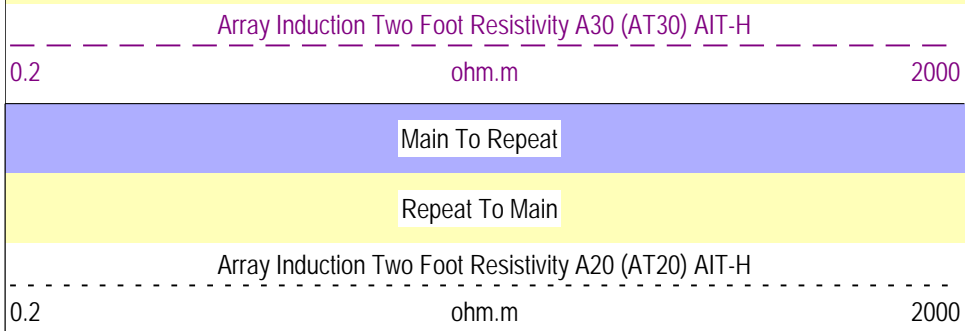
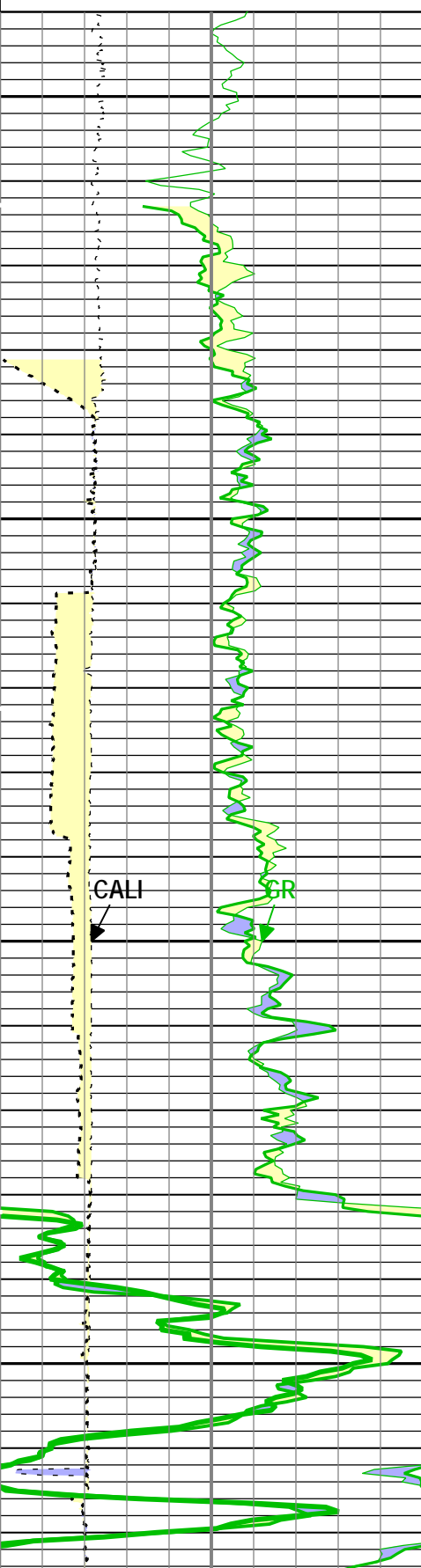
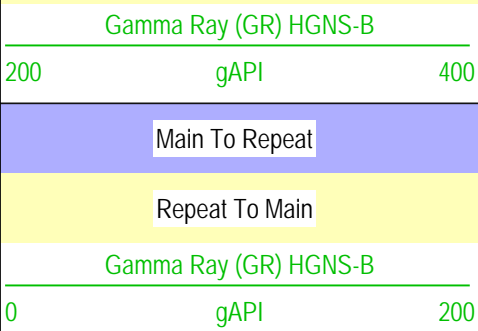


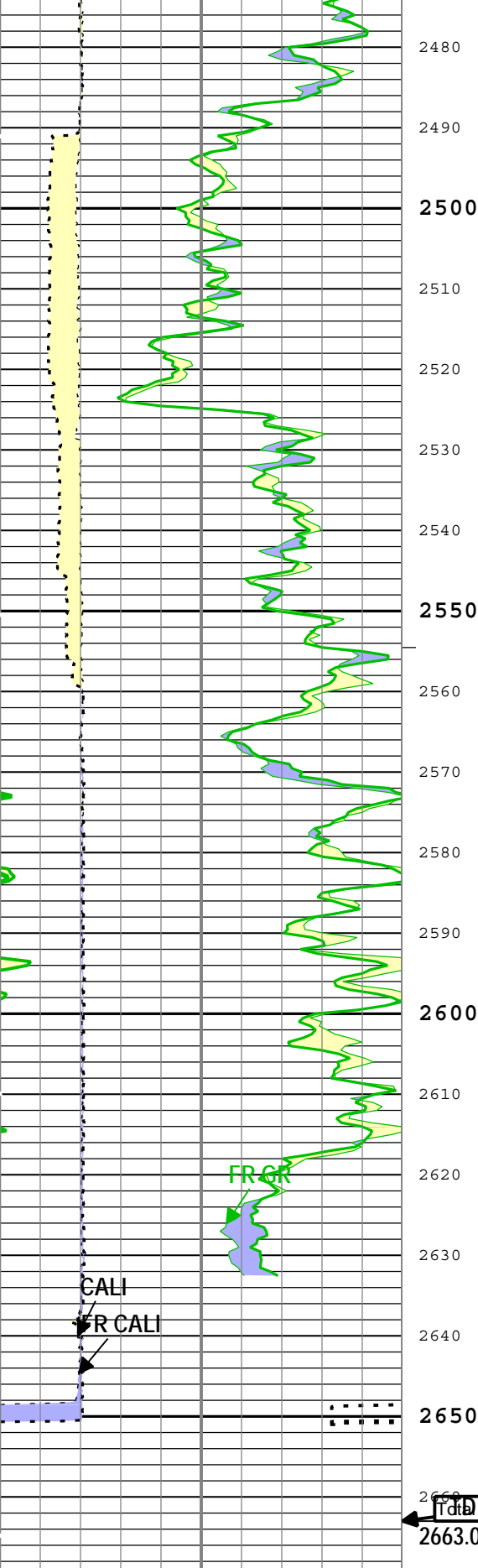
Description: AIT Basic Log Two Format: Log (EMD 5in Induction) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 17-Dec-2013 17:56:47

| Channel Processing Parameters | | | | |
|-------------------------------|--|-----------|------------------|---------|
| Parameter | Description | Tool | Value | Unit |
| ABHM | Array Induction Borehole Correction Mode | AIT-H | Compute Standoff | |
| ABLM | Array Induction Basic Logs Mode | AIT-H | Normal | |
| ACDE | Array Induction Casing Detection Enable | AIT-H | Yes | |
| ASTA | Array Induction Tool Standoff | AIT-H | 1.125 | in |
| BARI | Barite Mud Presence Flag | Borehole | No | |
| BHS | Borehole Status (Open or Cased Hole) | Borehole | Open | |
| BS | Bit Size | WLSESSION | Depth Zoned | in |
| CALI_SHIFT | CALI Supplementary Offset | HDRS-B | -0.18 | in |
| CBLO | Casing Bottom (Logger) | WLSESSION | 455 | ft |
| CDEN | Cement Density | HGNS-B | 2 | g/cm3 |
| CSODDRL | Casing Outer Diameter - Zoned along driller depths | WLSESSION | 7 | in |
| DFD | Drilling Fluid Density | Borehole | 8.8 | lbm/gal |
| FCD | Future Casing (Outer) Diameter | WLSESSION | 4.5 | in |
| GCSE_DOWN_PASS | Generalized Caliper Selection for WL Log Down Passes | Borehole | BS | |
| GCSE_UP_PASS | Generalized Caliper Selection for WL Log Up Passes | Borehole | CALI | |
| GRSE | Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity | Borehole | AMF | |
| SOCO | Standoff Correction Option | HGNS-B | Yes | |
| SPDR | SP Drift Per Foot | AIT-H | 0 | mV/ft |

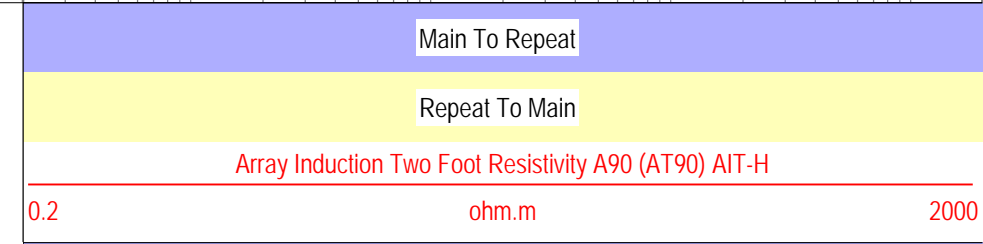
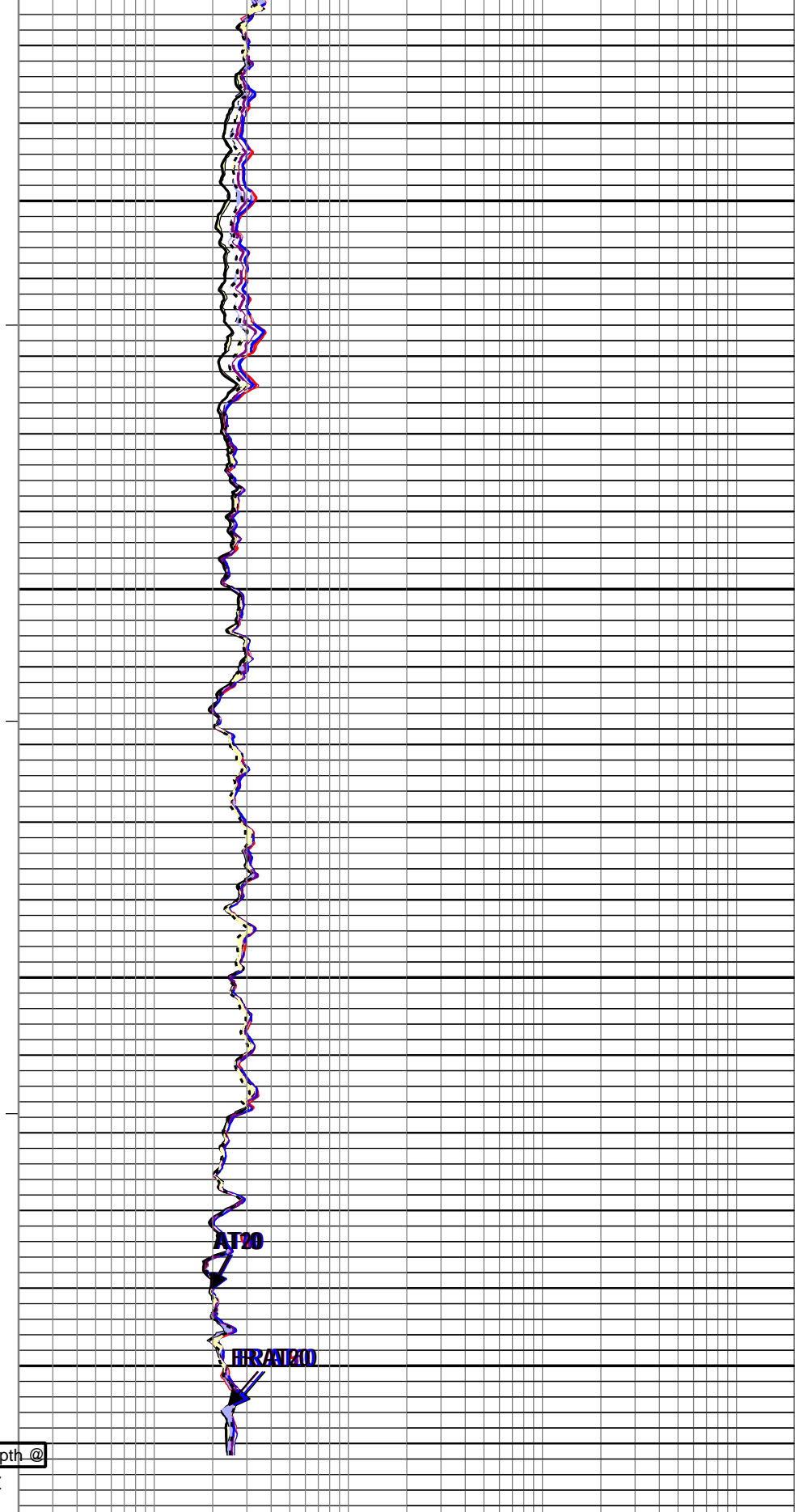
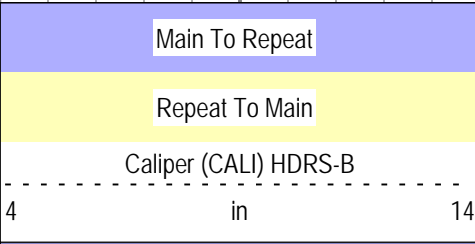
| Depth Zone Parameters | | | |
|-----------------------|-------|--------------|-------------|
| Parameter | Value | Start (ft) | Stop (ft) |

| | | |
|----------------|--|----------------|
| Repeat To Main | | Repeat To Main |
|----------------|--|----------------|





2660
Total Depth @
2663.00ft



| | | |
|-----------------------|------|-----|
| Main To Repeat | | |
| Repeat To Main | | |
| Gamma Ray (GR) HGNS-B | | |
| 200 | gAPI | 400 |
| Main To Repeat | | |
| Repeat To Main | | |
| Gamma Ray (GR) HGNS-B | | |
| 0 | gAPI | 200 |

| | | |
|---|-------|------|
| Main To Repeat | | |
| Repeat To Main | | |
| Array Induction Two Foot Resistivity A10 (AT10) AIT-H | | |
| 0.2 | ohm.m | 2000 |
| Main To Repeat | | |
| Repeat To Main | | |
| Array Induction Two Foot Resistivity A60 (AT60) AIT-H | | |
| 0.2 | ohm.m | 2000 |
| Main To Repeat | | |
| Repeat To Main | | |
| Array Induction Two Foot Resistivity A30 (AT30) AIT-H | | |
| 0.2 | ohm.m | 2000 |
| Main To Repeat | | |
| Repeat To Main | | |
| Array Induction Two Foot Resistivity A20 (AT20) AIT-H | | |
| 0.2 | ohm.m | 2000 |

TIME_1900 - Time Marked every 60.00 (s)

— ICV - Integrated Cement Volume every 100.00 (ft3)

— ICV - Integrated Cement Volume every 10.00 (ft3)

— IHV - Integrated Hole Volume every 100.00 (ft3)

— IHV - Integrated Hole Volume every 10.00 (ft3)

Description: AIT Basic Log Two Format: EMD 5in Induction RA Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 17-Dec-2013 17:56:49

| | | |
|-------------------------|----------------------|--------------|
| Company: | Omimex Petroleum Inc | Schlumberger |
| Well: | Bledsoe 10-3-5-45 | |
| Field: | Ballyneal | |
| County: | Yuma | |
| Country: | USA | |
| Platform Express | | |
| Array Induction | | |
| with Linear Correlation | | |