

Company: Omimex Petroleum Inc

Well: Fiddler Peak Ranch 4-3-5-45

Field: Ballyneal

County: Yuma State: Colorado

Platform Express

Triple Combo

|                         |                             |                         |               |                          |
|-------------------------|-----------------------------|-------------------------|---------------|--------------------------|
| County:                 | Yuma                        |                         |               |                          |
| Field:                  | Ballyneal                   |                         |               |                          |
| Location:               | NWNW Sec3 T5N R45W          |                         |               |                          |
| Well:                   | Fiddler Peak Ranch 4-3-5-45 |                         |               |                          |
| Company:                | Omimex Petroleum Inc        |                         |               |                          |
| Location:               |                             | NWNW Sec3 T5N R45W      | Elev.:        | K.B. 3798.00 ft          |
|                         |                             | SHL: 433' FNL, 603' FWL |               | G.L. 3792.00 ft          |
|                         |                             |                         |               | D.F. 3797.00 ft          |
|                         |                             | Permanent Datum:        | Ground Level  | Elev.: 3792.00 f         |
|                         |                             | Log Measured From:      | Kelly Bushing | 6.00 ft above Perm.Datum |
| Drilling Measured From: |                             | Kelly Bushing           |               |                          |
|                         |                             | API Serial No.          | Section:      | Township:                |
| 05-125-12124            |                             |                         | 3             | 5N                       |
|                         |                             |                         |               | Range: 45W               |
| Logging Date            | 15-Nov-2014                 |                         |               |                          |

|                             |                  |             |         |
|-----------------------------|------------------|-------------|---------|
| Run Number                  | ONE              |             |         |
| Depth Driller               | 2725.00 ft       |             |         |
| Schlumberger Depth          | 2726.00 ft       |             |         |
| Bottom Log Interval         | 2726.00 ft       |             |         |
| Top Log Interval            | 494.00 ft        |             |         |
| Casing Driller Size @ Depth | 7 in @ 493.00 ft |             |         |
| Casing Schlumberger         | 494 ft           |             |         |
| Bit Size                    | 6.25 in          |             |         |
| Type Fluid In Hole          | Water            |             |         |
| Density                     | 8.8 lbm/gal      | 29 s        |         |
| Fluid Loss                  | 3.2 cm3          | 8           |         |
| MUD                         |                  |             |         |
| Source of Sample            |                  |             |         |
| RM @ Meas Temp              | 0.23 ohm.m       | @           | 86 degF |
| RMF @ Meas Temp             | 0.16 ohm.m       | @           | 86 degF |
| RMC @ Meas Temp             | 0.31 ohm.m       | @           | 86 degF |
| Source RMF                  | Calculated       | Calculated  |         |
| RM @ BHT                    | 0.19 @ 103       | 0.14 @ 103  |         |
| Max Recorded Temperatures   | 103 degF         |             |         |
| Circulation Stopped         | 15-Nov-2014      | 11:45:00    |         |
| Logger on Bottom            | 15-Nov-2014      | 16:39:12    |         |
| Unit Number                 | 9108             | Fort Morgan |         |
| Recorded By                 | B Makinson       |             |         |
| Witnessed By                | Paul Dekaye      |             |         |

Disclaimer

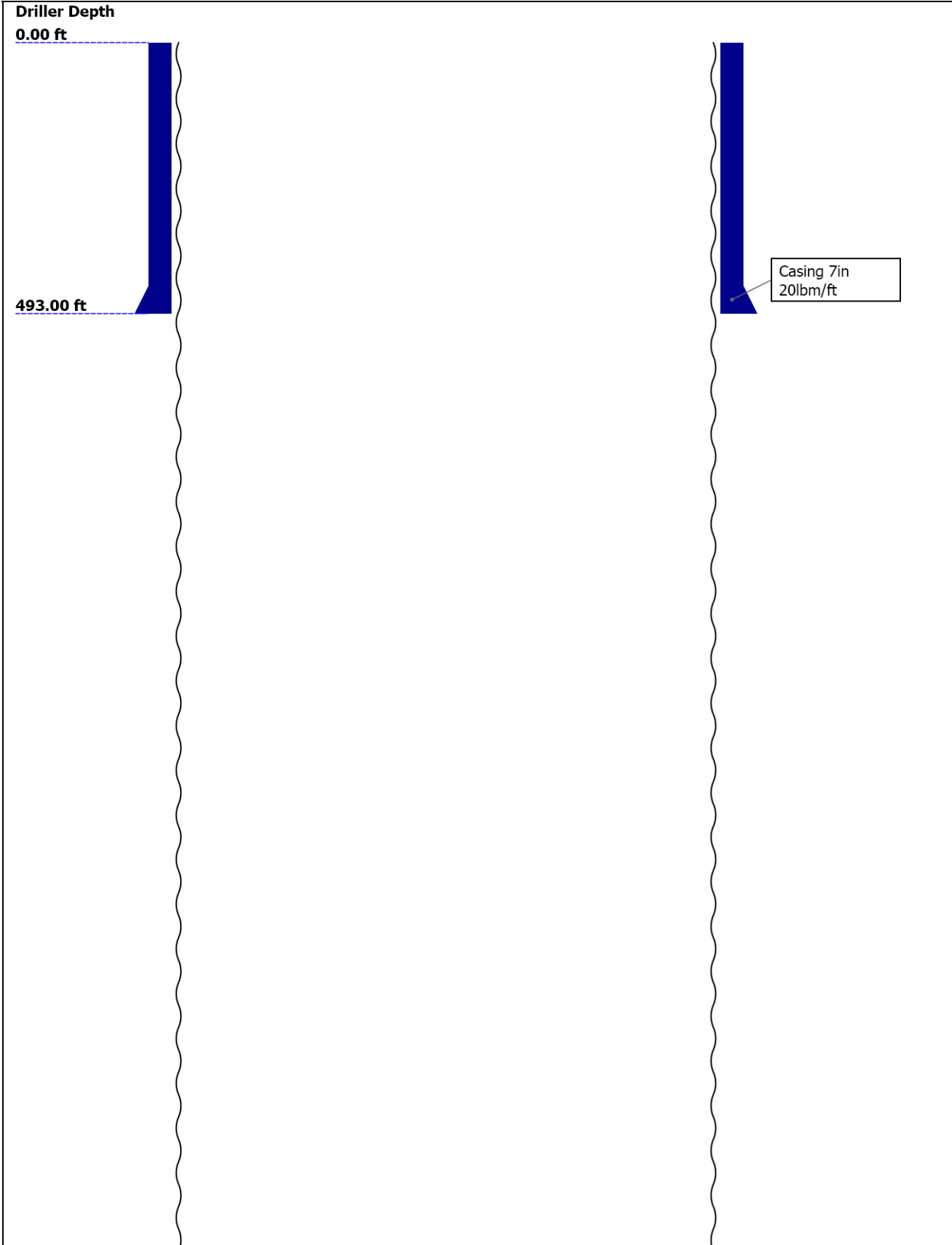
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Well Sketch



2725.00 ft

Open Hole 6.25in

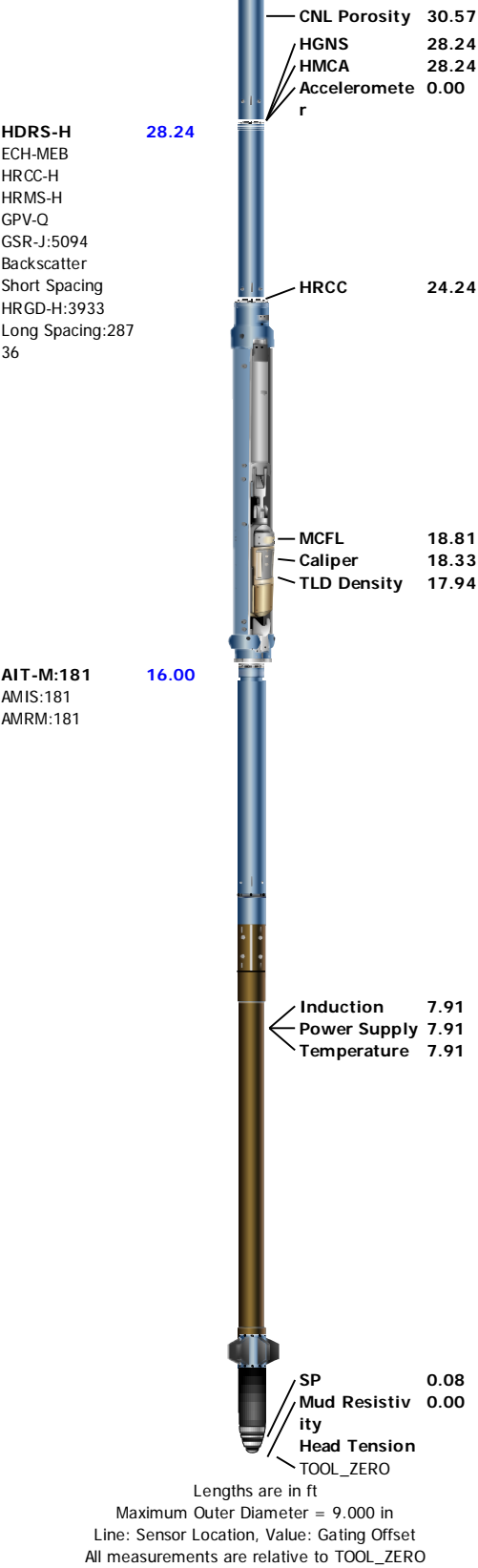
Borehole Size/Casing/Tubing Record

|                       |       |  |  |  |  |  |
|-----------------------|-------|--|--|--|--|--|
| Bit                   |       |  |  |  |  |  |
| Bit Size ( in )       | 6.25  |  |  |  |  |  |
| Top Driller ( ft )    | 0     |  |  |  |  |  |
| Top Logger ( ft )     | 0     |  |  |  |  |  |
| Bottom Driller ( ft ) | 2725  |  |  |  |  |  |
| Bottom Logger ( ft )  | 2726  |  |  |  |  |  |
| Casing                |       |  |  |  |  |  |
| Size ( in )           | 7     |  |  |  |  |  |
| Weight ( lbm/ft )     | 20    |  |  |  |  |  |
| Inner Diameter ( in ) | 6.456 |  |  |  |  |  |
| Grade                 | J55   |  |  |  |  |  |
| Top Driller ( ft )    | 0     |  |  |  |  |  |
| Top Logger ( ft )     | 0     |  |  |  |  |  |
| Bottom Driller ( ft ) | 493   |  |  |  |  |  |
| Bottom Logger ( ft )  | 494   |  |  |  |  |  |

Operational Run Summary

|                                  |             |  |  |  |  |  |
|----------------------------------|-------------|--|--|--|--|--|
| Parameter ( unit )               | ONE         |  |  |  |  |  |
| Date Log Started                 | 15-Nov-2014 |  |  |  |  |  |
| Time Log Started                 | 16:11:26    |  |  |  |  |  |
| Date Log Finished                | 15-Nov-2014 |  |  |  |  |  |
| Time Log Finished                | 17:54:34    |  |  |  |  |  |
|                                  |             |  |  |  |  |  |
| Top Log Interval ( ft )          | 494.00      |  |  |  |  |  |
| Bottom Log Interval ( ft )       | 2726.00     |  |  |  |  |  |
|                                  |             |  |  |  |  |  |
| Total Depth ( ft )               | 2726.00     |  |  |  |  |  |
| Max Hole Deviation ( deg )       | 0.00        |  |  |  |  |  |
| Azimuth of Max Deviation ( deg ) | 0.00        |  |  |  |  |  |
| Bit Size ( in )                  | 6.250       |  |  |  |  |  |
|                                  |             |  |  |  |  |  |
| Logging Unit Number              | 9108        |  |  |  |  |  |
| Logging Unit Location            | Fort Morgan |  |  |  |  |  |
| Recorded By                      | B Makinson  |  |  |  |  |  |
| Witnessed By                     | Paul Dekaye |  |  |  |  |  |
| Service Order Number             | CZQH-00035  |  |  |  |  |  |

|                                    |                         |                          |        |  |  |  |  |
|------------------------------------|-------------------------|--------------------------|--------|--|--|--|--|
| Service Order Number               |                         | GZOH-00033               |        |  |  |  |  |
| Borehole Fluids                    |                         |                          |        |  |  |  |  |
| Parameter( unit )                  | ONE                     |                          |        |  |  |  |  |
| Fluid Type                         | Water                   |                          |        |  |  |  |  |
| Max Recorded Temperatures ( degF ) | 103                     |                          |        |  |  |  |  |
| Source of Sample                   | AIT Measured            |                          |        |  |  |  |  |
| Salinity ( ppm )                   | 12200                   |                          |        |  |  |  |  |
| Density ( lbm/gal )                | 8.8                     |                          |        |  |  |  |  |
| Funnel Viscosity ( s )             | 29                      |                          |        |  |  |  |  |
| Fluid Loss ( cm3 )                 | 3.2                     |                          |        |  |  |  |  |
| PH                                 | 8                       |                          |        |  |  |  |  |
| Date/Time Circulation Stopped      | 15-Nov-2014<br>11:45:00 |                          |        |  |  |  |  |
| Date Logger on Bottom              | 15-Nov-2014             |                          |        |  |  |  |  |
| Time Logger on Bottom              | 16:39:12                |                          |        |  |  |  |  |
| Source RMF                         | Calculated              |                          |        |  |  |  |  |
| RMC                                | Calculated              |                          |        |  |  |  |  |
| RM @ Meas Temp ( ohm.m@degF )      | 0.23 @ 86               |                          |        |  |  |  |  |
| RMF @ Meas Temp ( ohm.m@degF )     | 0.16 @ 86               |                          |        |  |  |  |  |
| RMC @ Meas Temp ( ohm.m@degF )     | 0.31 @ 86               |                          |        |  |  |  |  |
| RM @ BHT ( ohm.m@degF )            | 0.19 @ 103              |                          |        |  |  |  |  |
| RMF @ BHT ( ohm.m@degF )           | 0.14 @ 103              |                          |        |  |  |  |  |
| RMC @ BHT ( ohm.m@degF )           | 0.26 @ 103              |                          |        |  |  |  |  |
| Total Solid ( % )                  |                         |                          |        |  |  |  |  |
| High Gravity Solids ( % )          |                         |                          |        |  |  |  |  |
| Remarks and Equipment Summary      |                         |                          |        |  |  |  |  |
| ONE: Toolstring                    |                         |                          |        | ONE: Remarks                                   |  |  |  |
| Equip name                         | Length                  | MP name                  | Offset | First run in the well.                         |  |  |  |
| LEH-QT                             | 51.57                   |                          |        | Toolstring run as per tool sketch.             |  |  |  |
| LEH-QT                             |                         |                          |        | No bowspring used to eccentric HGNS as per     |  |  |  |
| DTC-H                              | 48.65                   |                          |        | Limestone matrix, MDEN: 2.71                   |  |  |  |
| ECH-KC                             |                         | CTEM                     | 47.75  | Neutron corrections applied: Hole size,        |  |  |  |
| DTC-H                              |                         | HV                       | 0.00   | Cement volume calculated assuming 4.5"         |  |  |  |
| AH-184[2]                          | 45.65                   | ToolStatus               | 45.65  | Down log stretch correction: 0.26 ft.          |  |  |  |
|                                    |                         | TelStatus                | 45.65  | Caliper check in casing within 0.1" tolerance. |  |  |  |
| AH-184[1]                          | 43.65                   |                          |        | Mud resistivity measured from AIT AMF.         |  |  |  |
| GPIT-F                             | 41.65                   |                          |        | TD: 2726 ft, CSG: 498 ft.                      |  |  |  |
| GPIH-B                             |                         |                          |        |  |  |  |  |
| DHRU-F                             |                         | GPIT-F Inclination meter | 40.23  |  |  |  |  |
| GPIC-F                             |                         |                          |        |  |  |  |  |
| HGNS-H:4810                        | 37.65                   | GPIT Temperature         | 0.00   |  |  |  |  |
| HGNH                               |                         |                          | 37.62  |  |  |  |  |
| NSR-F:5215                         |                         | GR                       | 36.91  |  |  |  |  |
| NPV-N                              |                         |                          |        |  |  |  |  |
| HACCZ-H:5955                       |                         |                          |        |  |  |  |  |
| HGNS-H:4810                        |                         |                          |        |  |  |  |  |
| HM33-H                             |                         |                          |        |  |  |  |  |



## Depth Summary

|  |     |  |  |
|--|-----|--|--|
|  | ONE |  |  |
|--|-----|--|--|

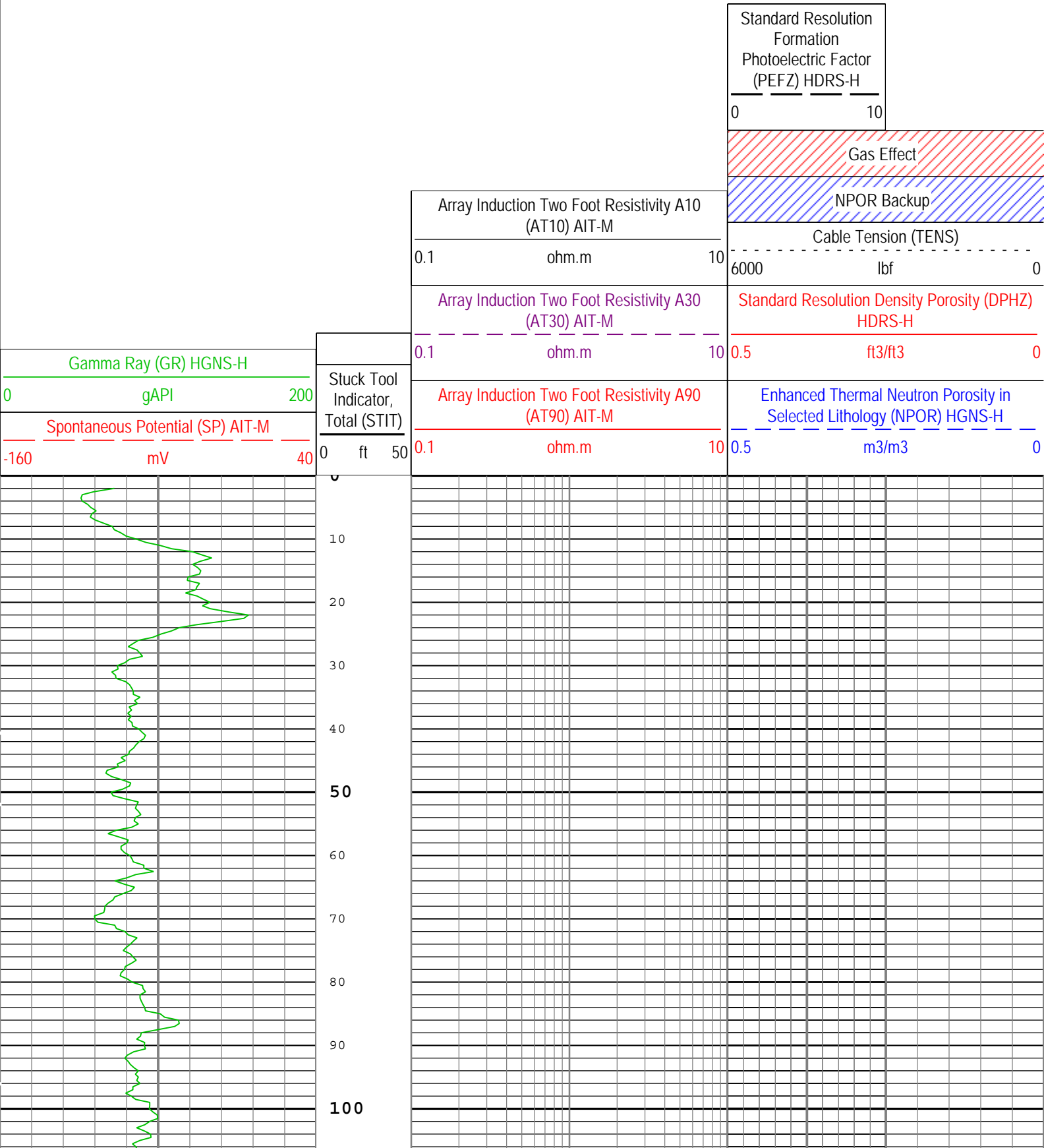
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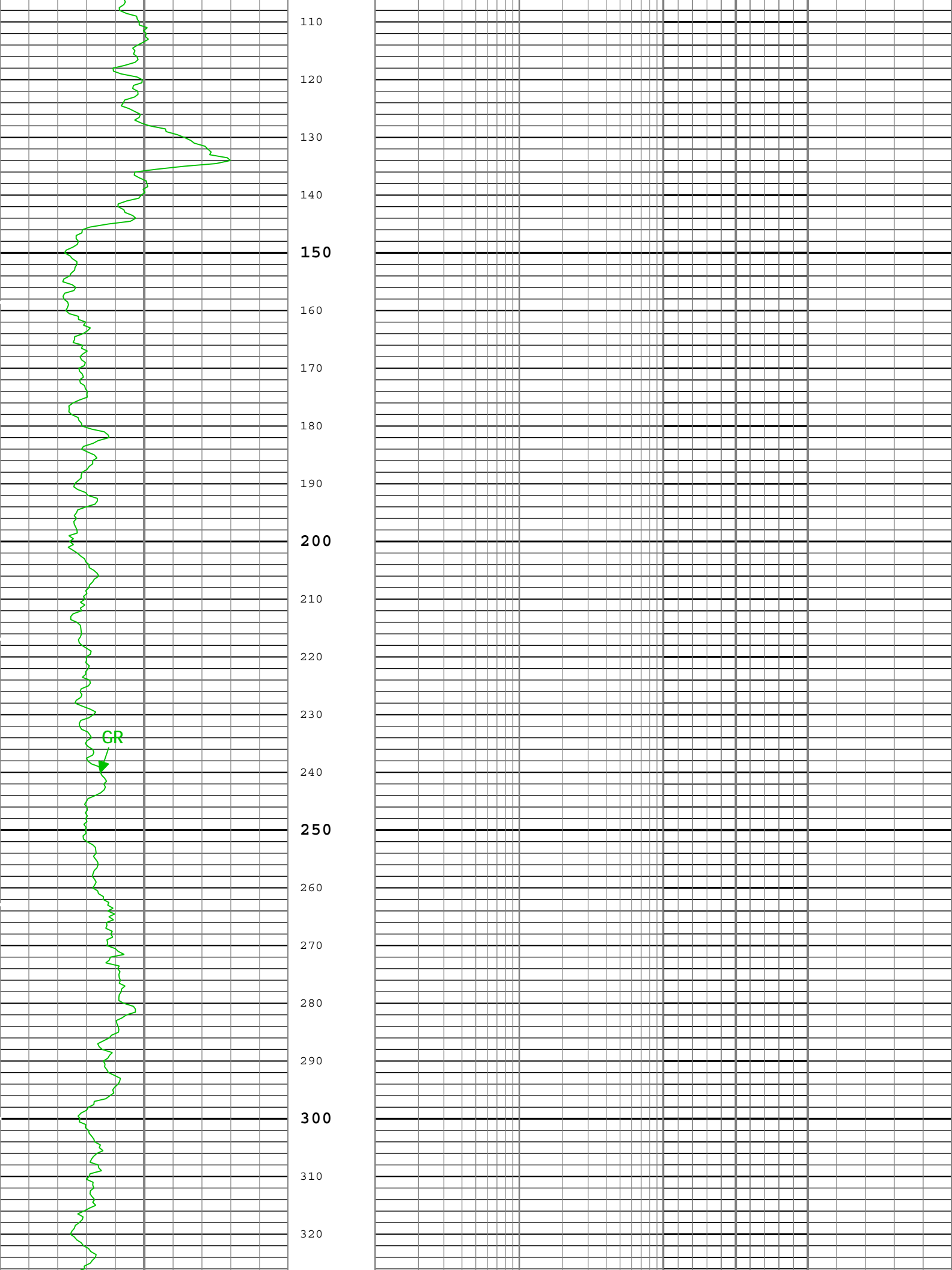
|                          |             |  |  |
|--------------------------|-------------|--|--|
| Type                     | IDW-JA      |  |  |
| Serial Number            | 6431        |  |  |
| Calibration Date         | 07-Apr-2014 |  |  |
| Calibrator Serial Number |             |  |  |

| Channel | Source          | Sampling |
|---------|-----------------|----------|
| AT10    | AIT-M:AMIS:AMIS | 3in      |
| AT30    | AIT-M:AMIS:AMIS | 3in      |
| AT90    | AIT-M:AMIS:AMIS | 3in      |

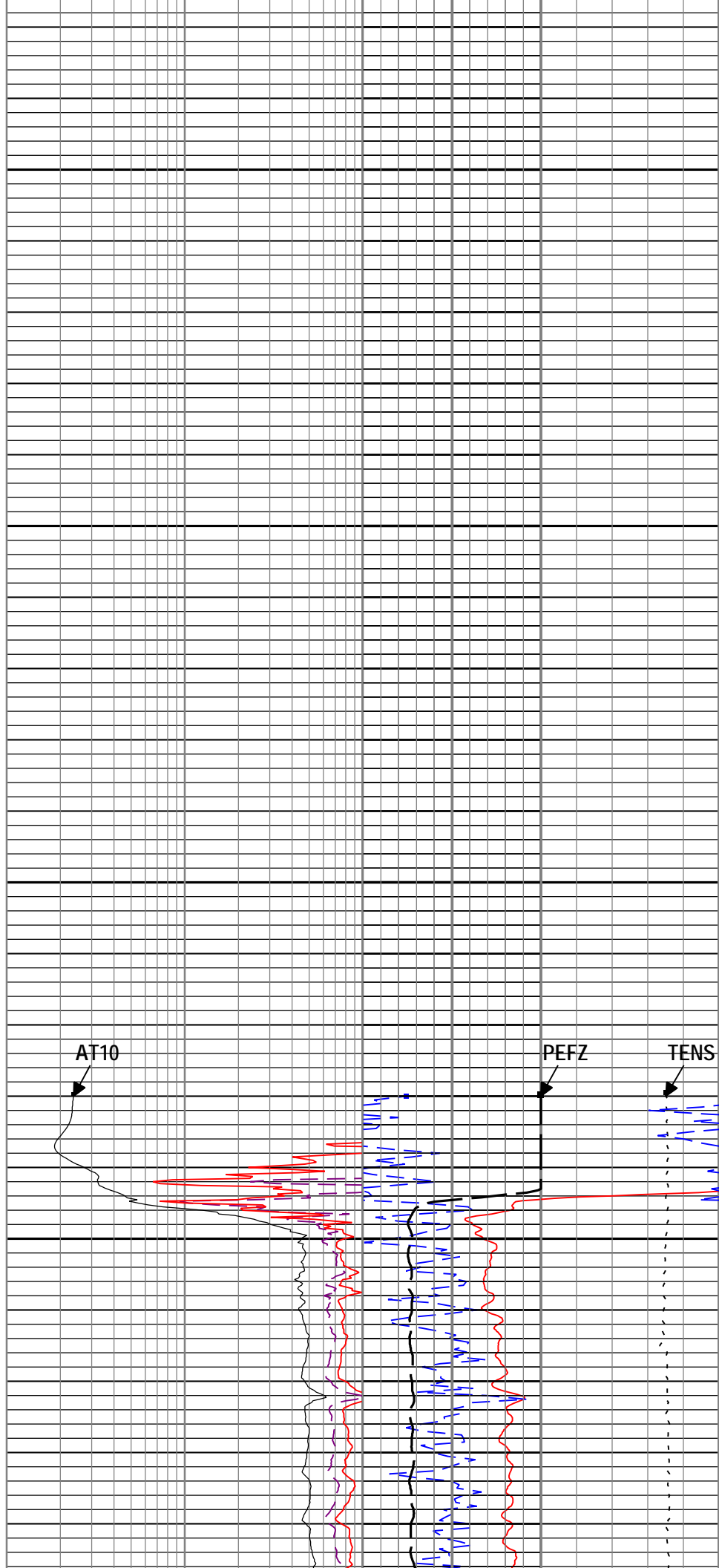
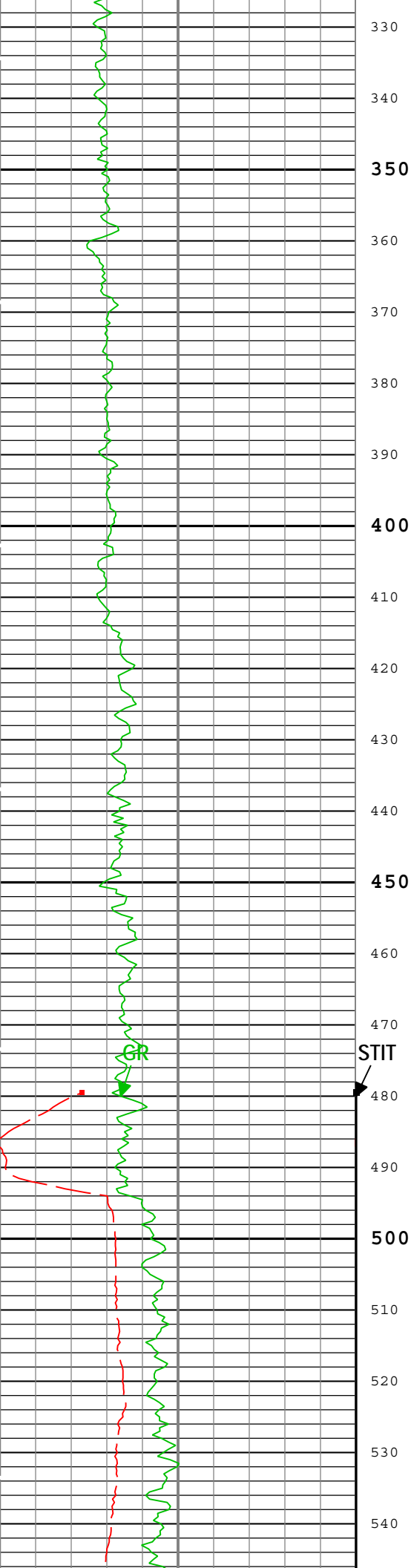
|           |                      |       |
|-----------|----------------------|-------|
| DPHZ      | HDRS-H:HRMS-H:HRGD-H | 2in   |
| GR        | HGNS-H:HGNS-H:HGNS-H | 6in   |
| NPOR      | HGNS-H:HGNS-H:HGNS-H | 6in   |
| PEFZ      | HDRS-H:HRMS-H:HRGD-H | 2in   |
| SP        | AIT-M:AMIS:AMIS      | 6in   |
| STIT      | DepthCorrection      | 6in   |
| TENS      | WLWorkflow           | 6in   |
| TIME_1900 | WLWorkflow           | 0.1in |

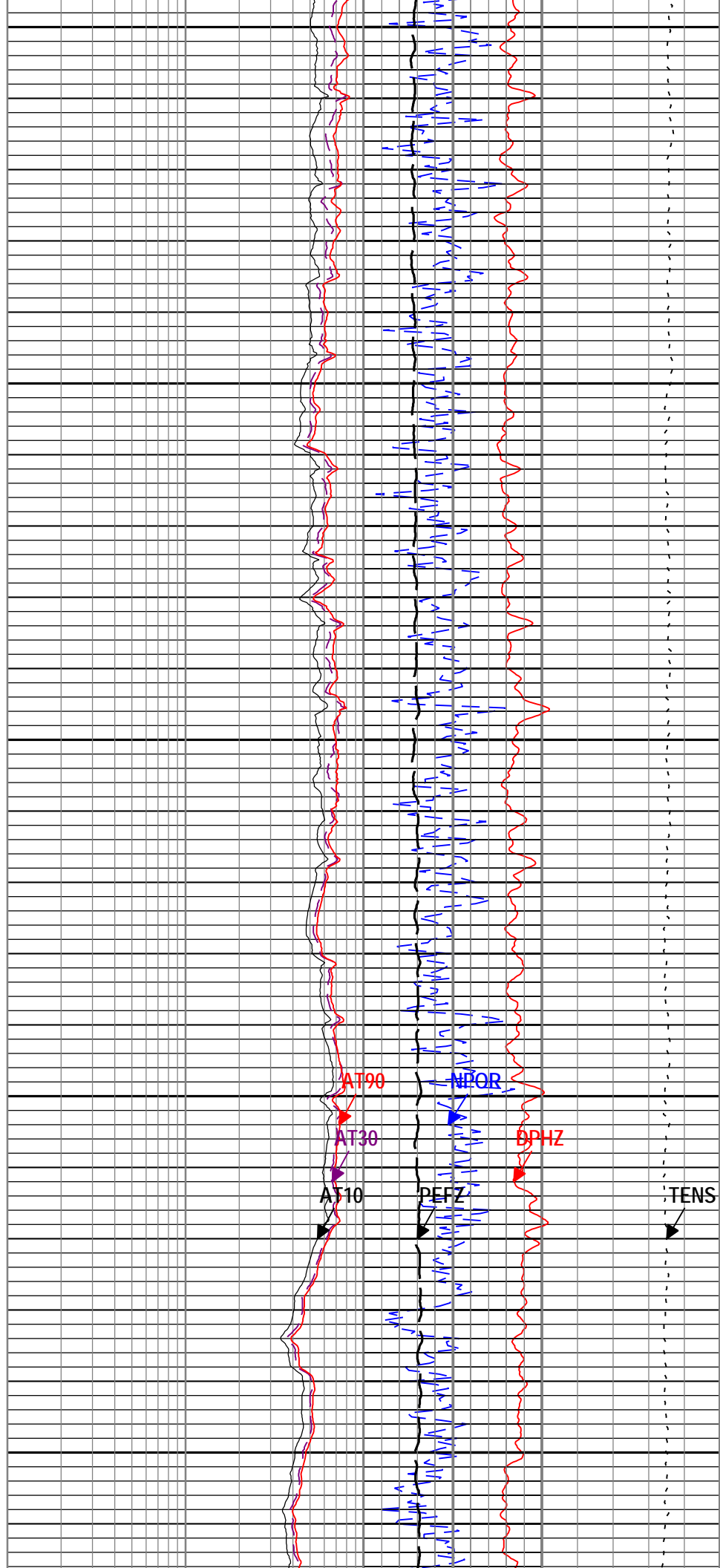
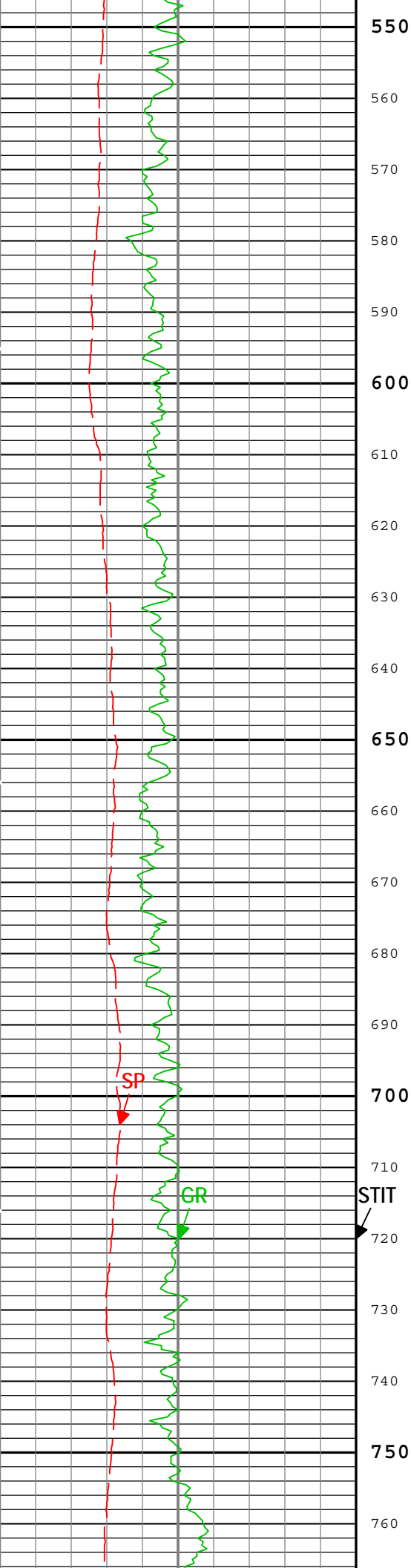
TIME\_1900 - Time Marked every 60.00 (s)

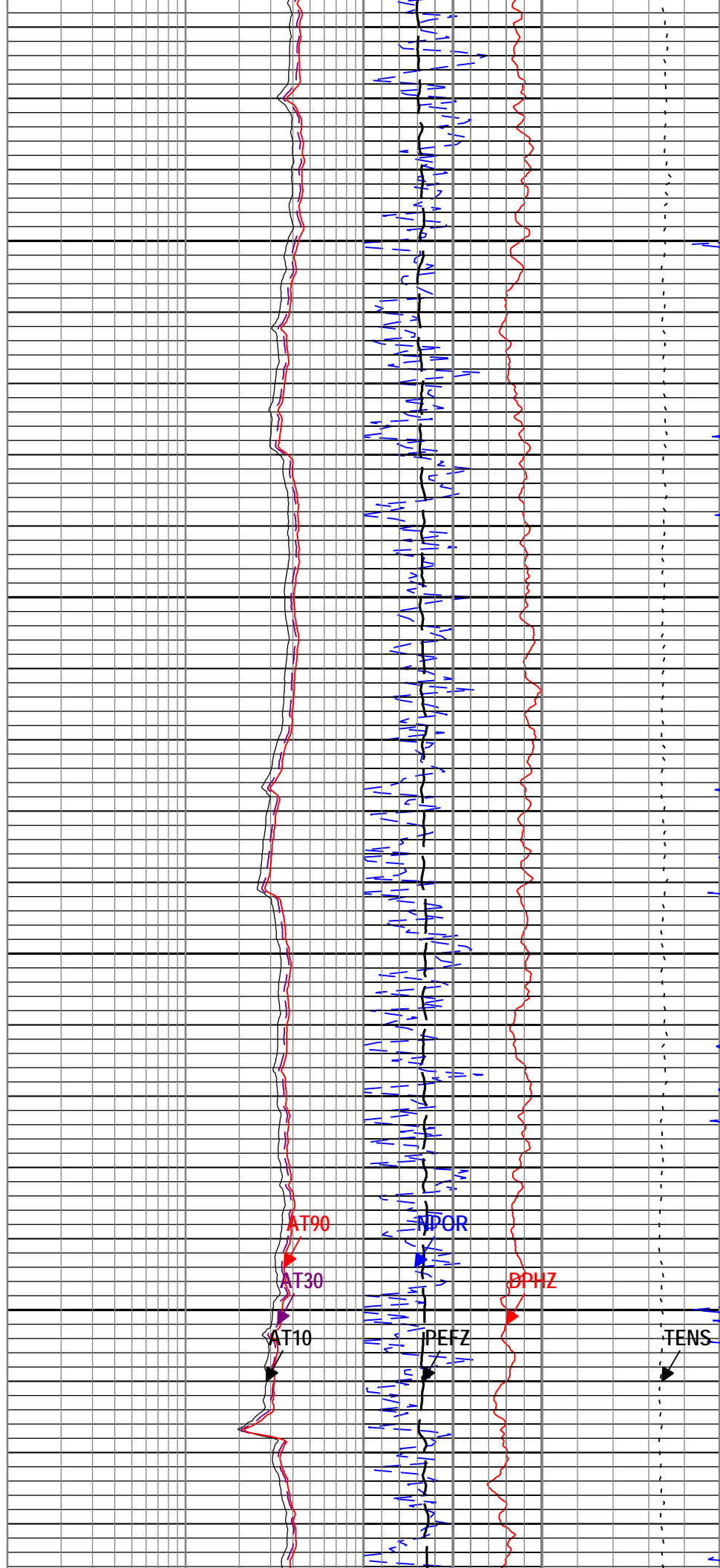
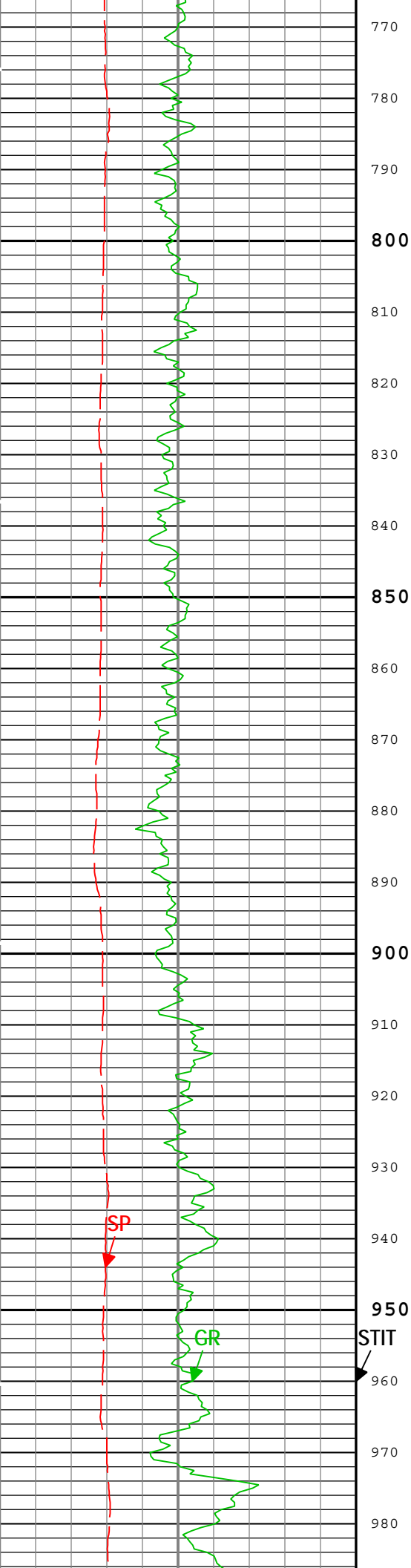


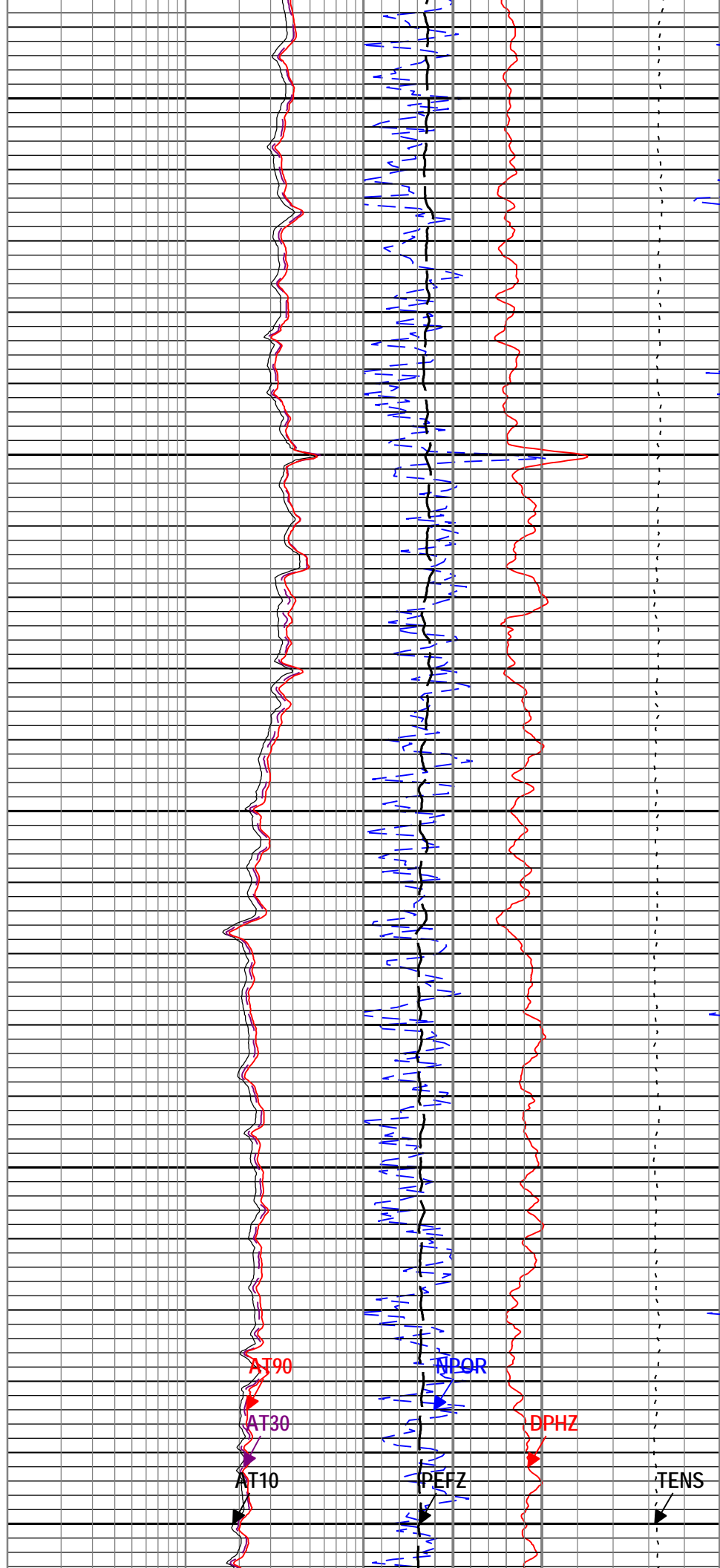
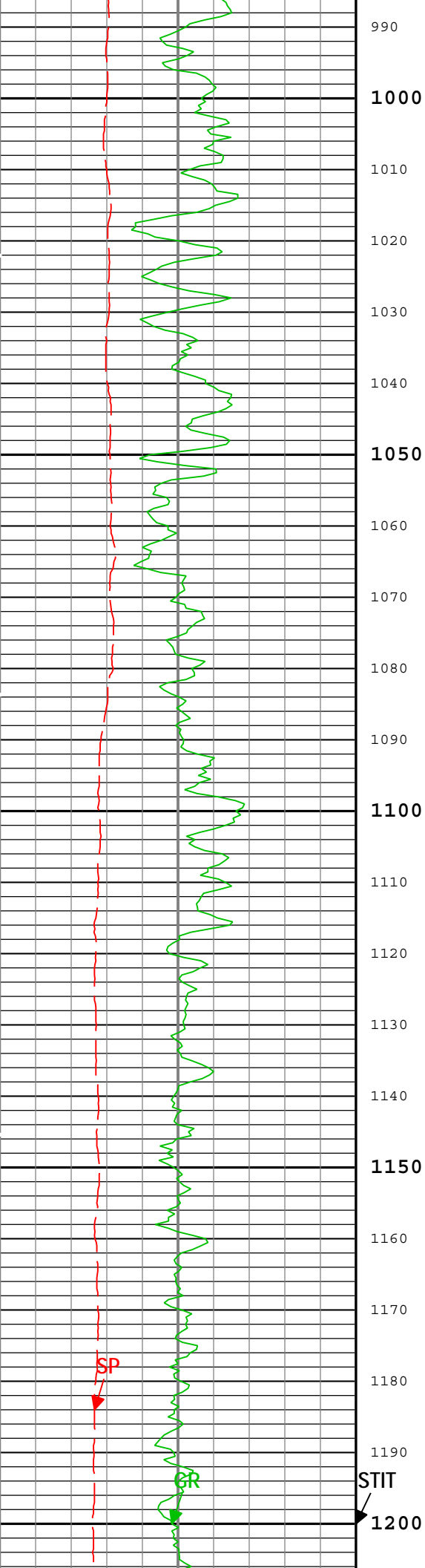


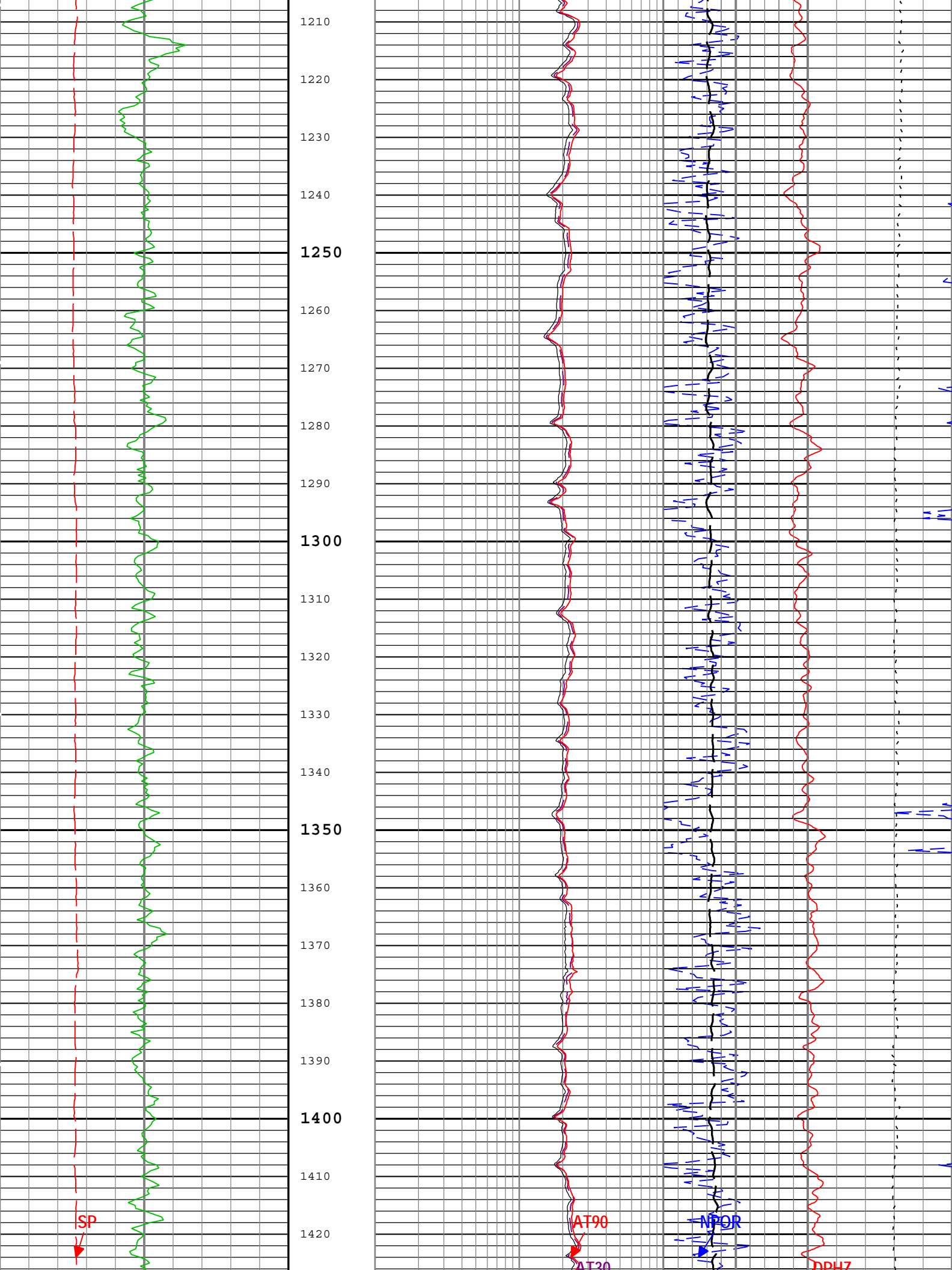


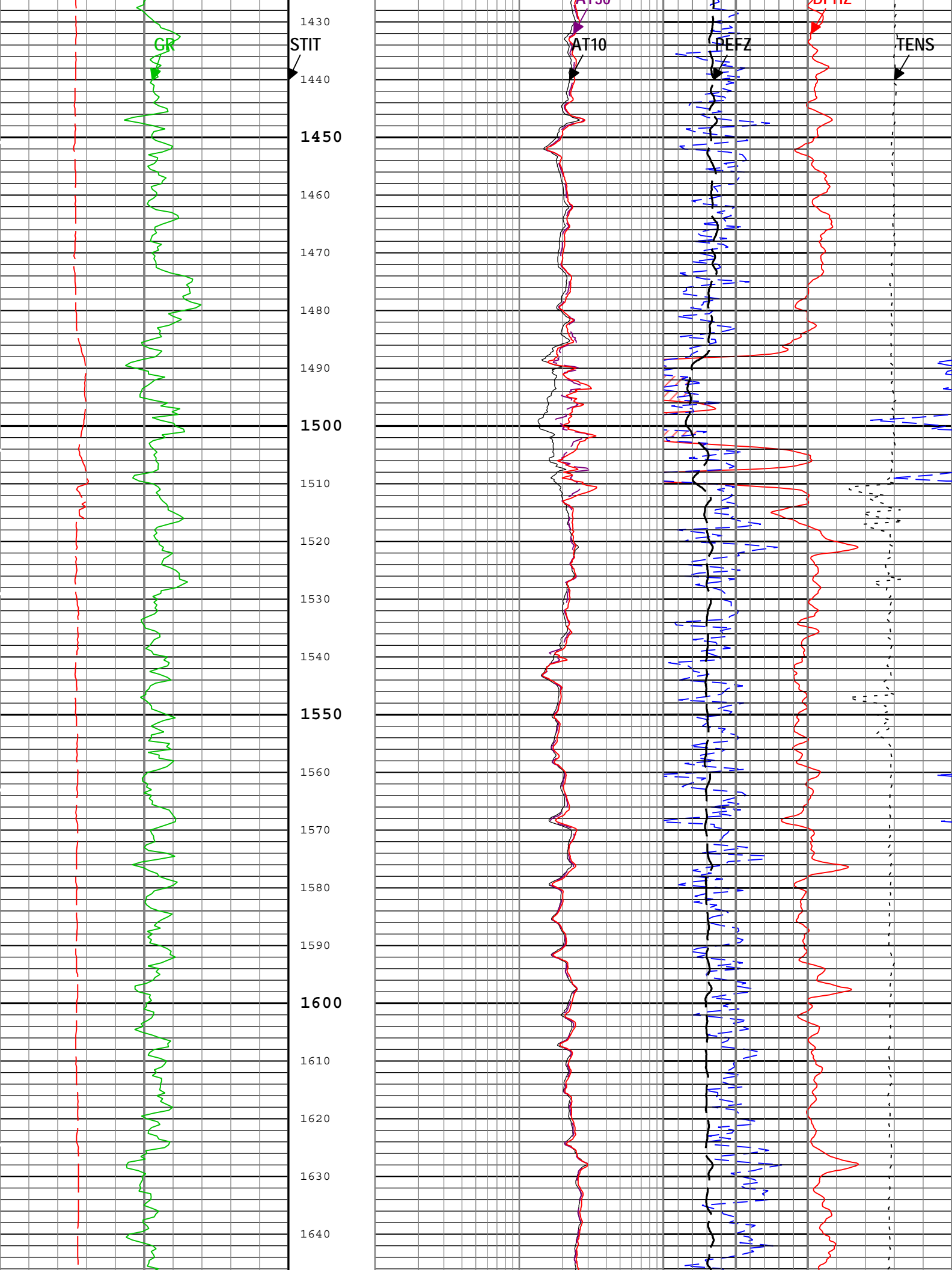


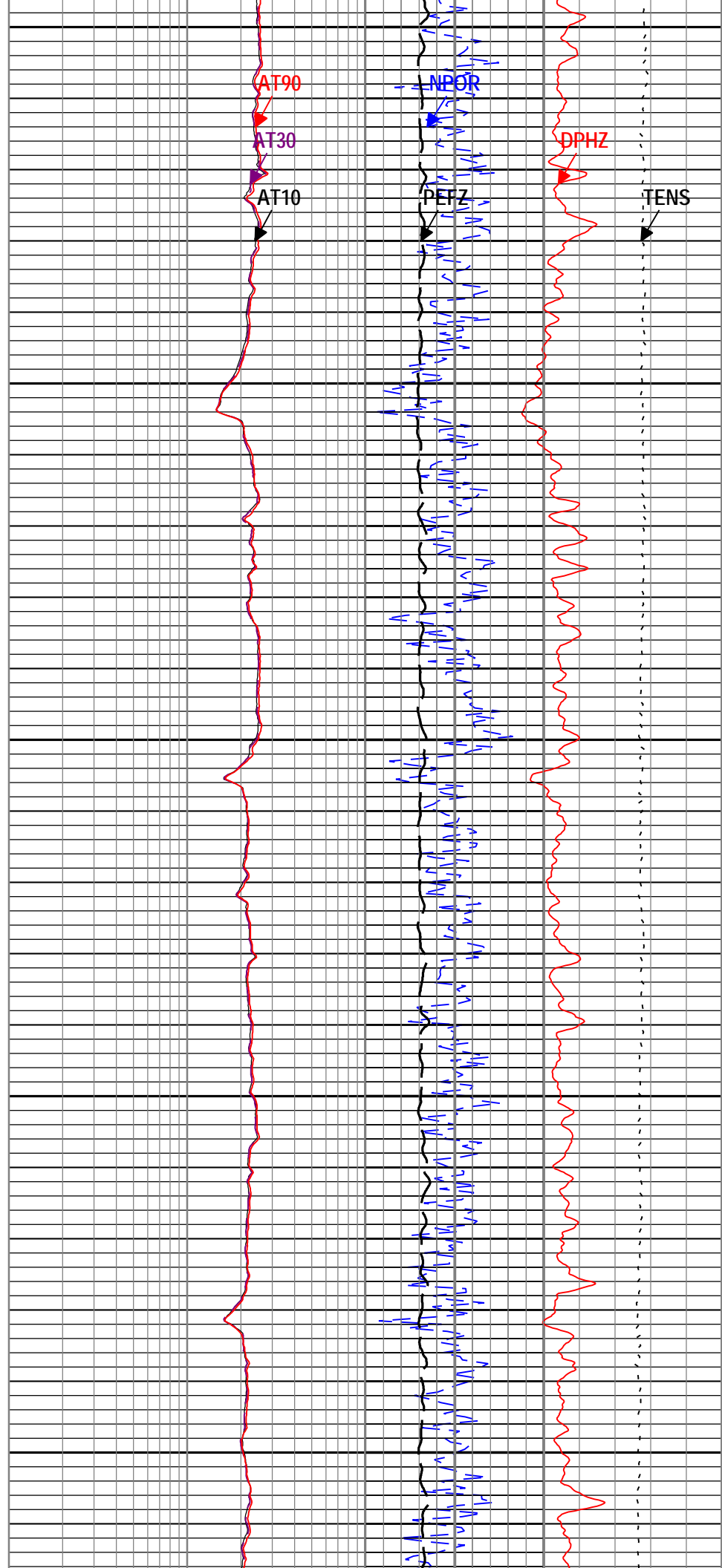
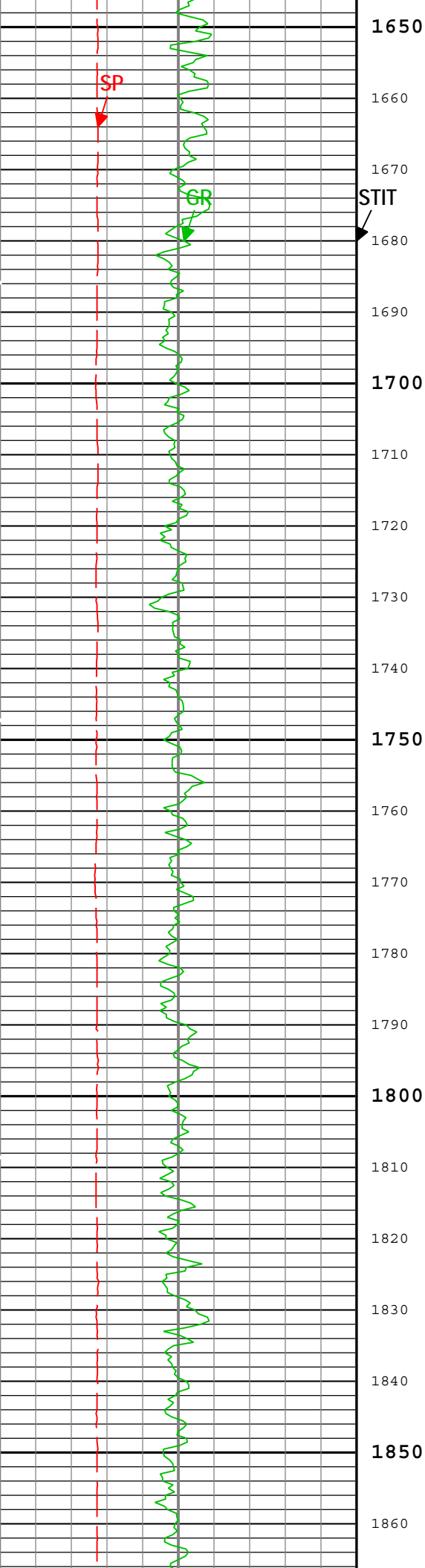


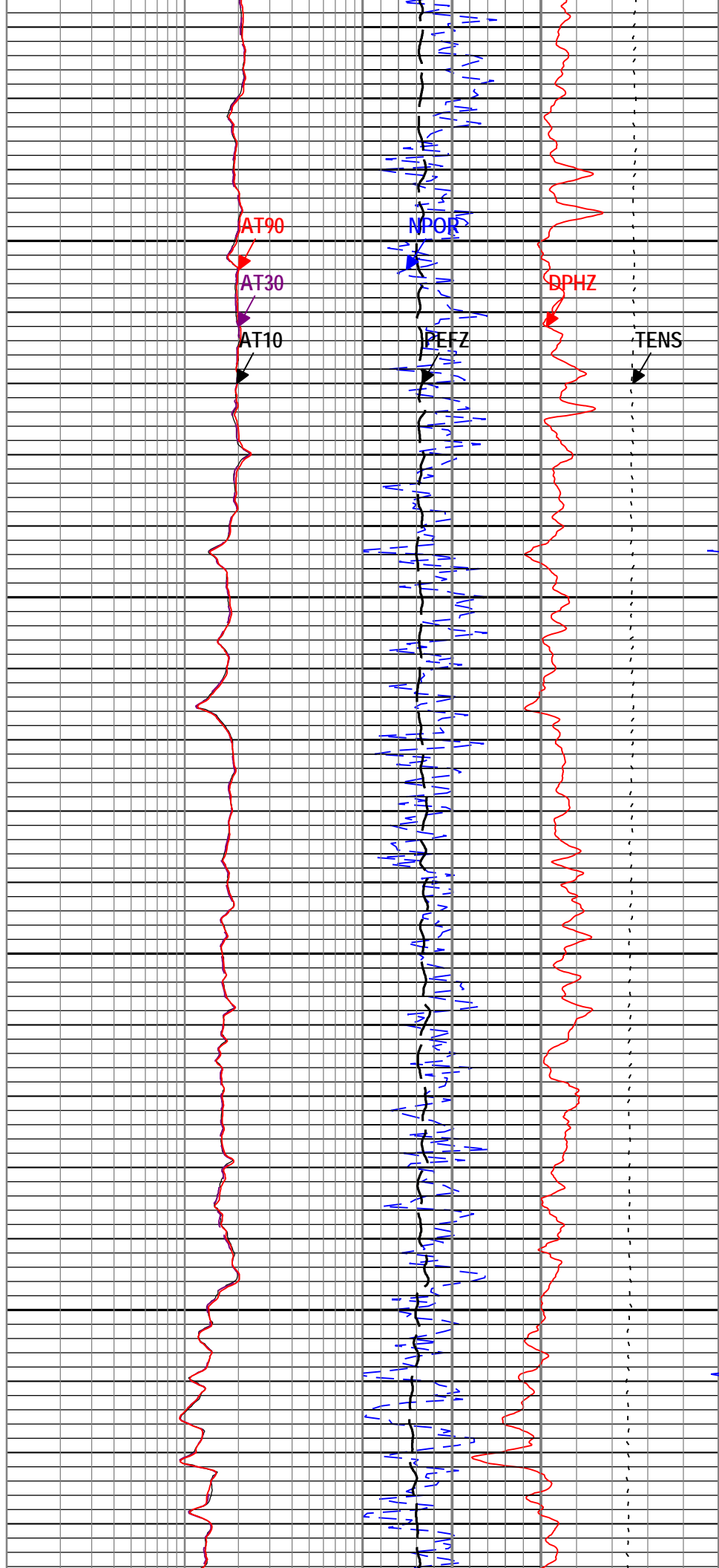
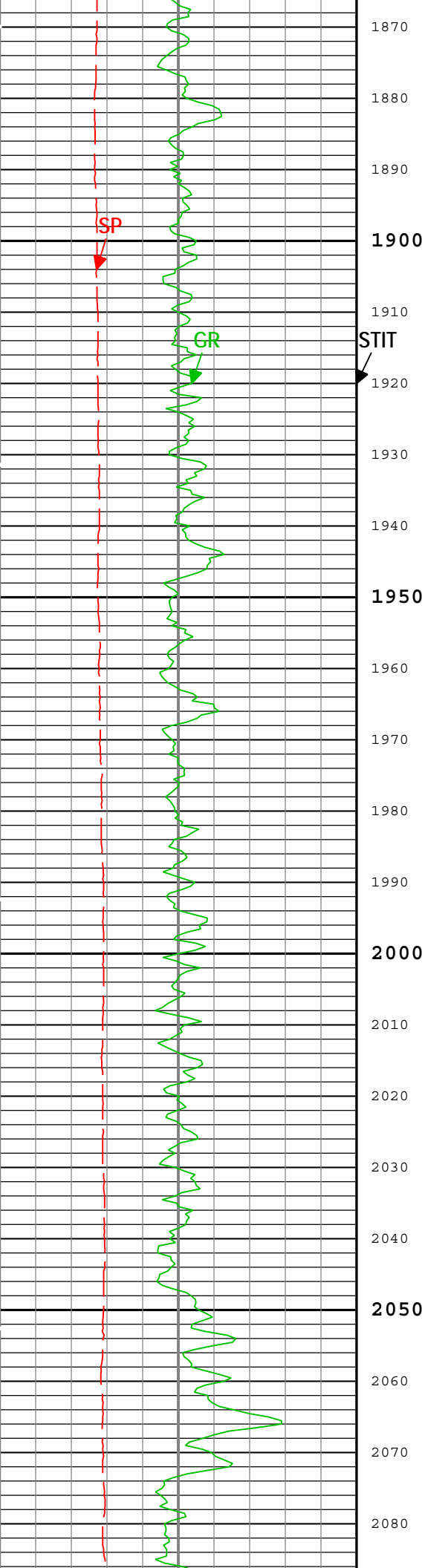






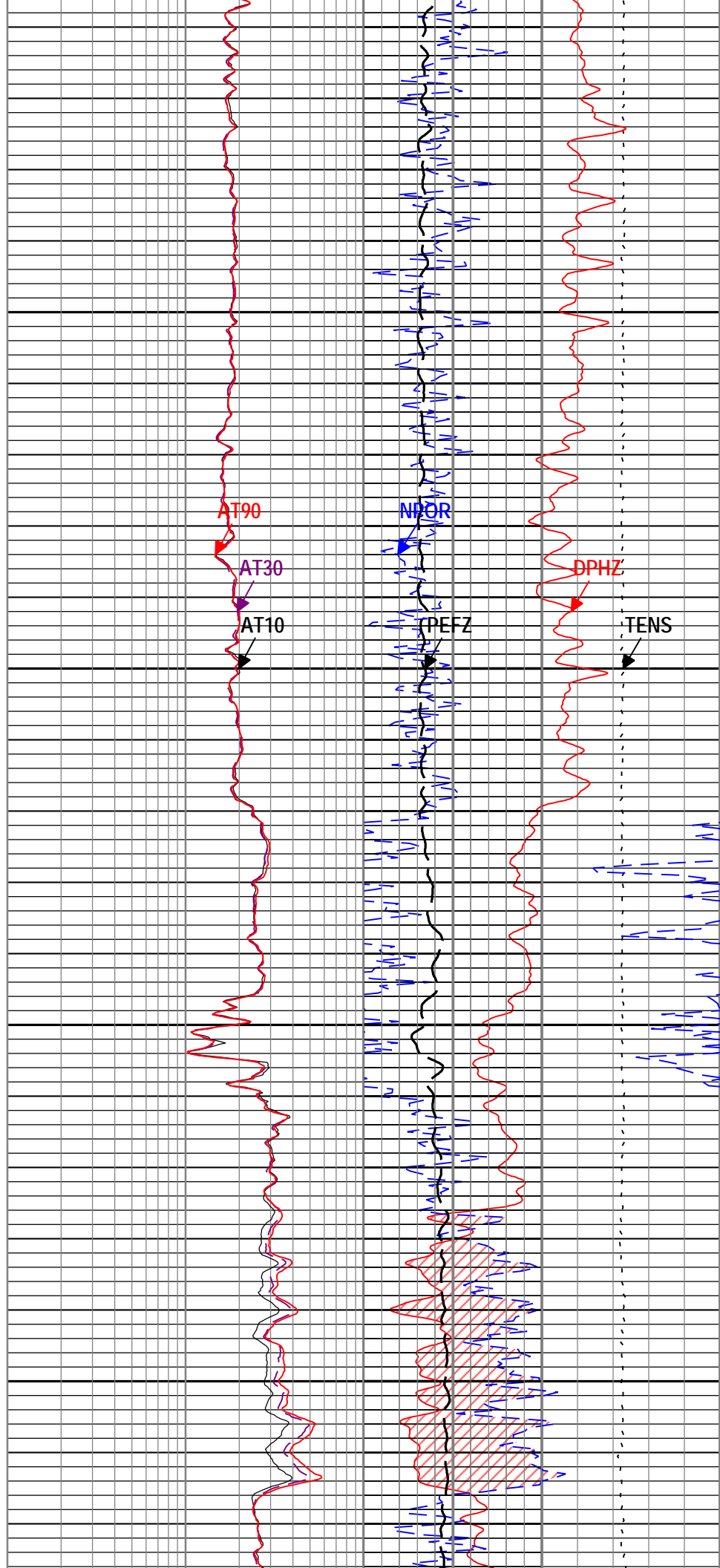
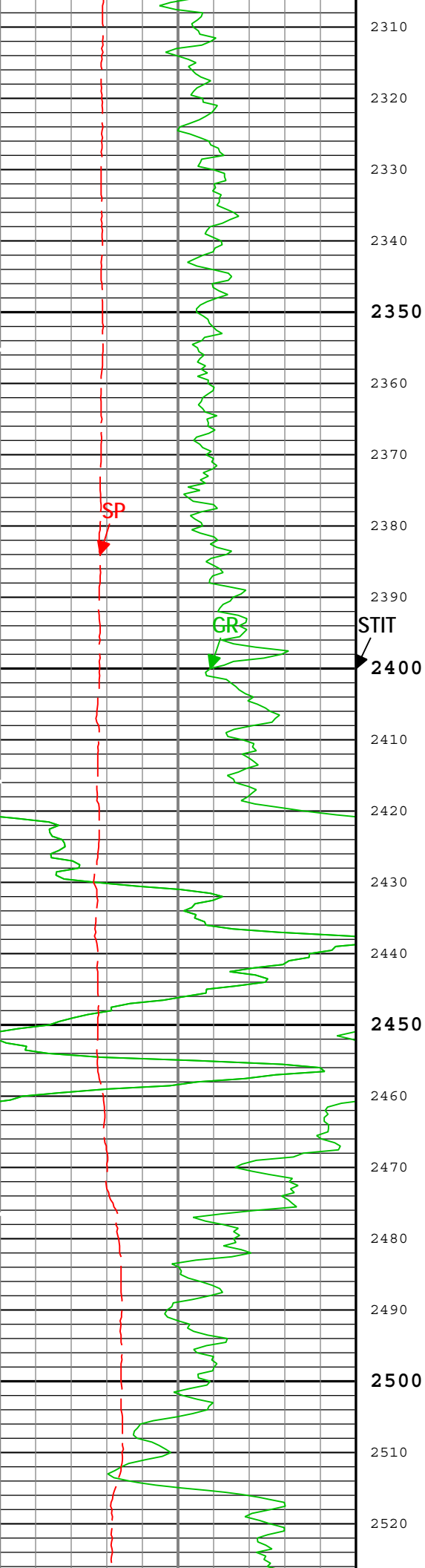


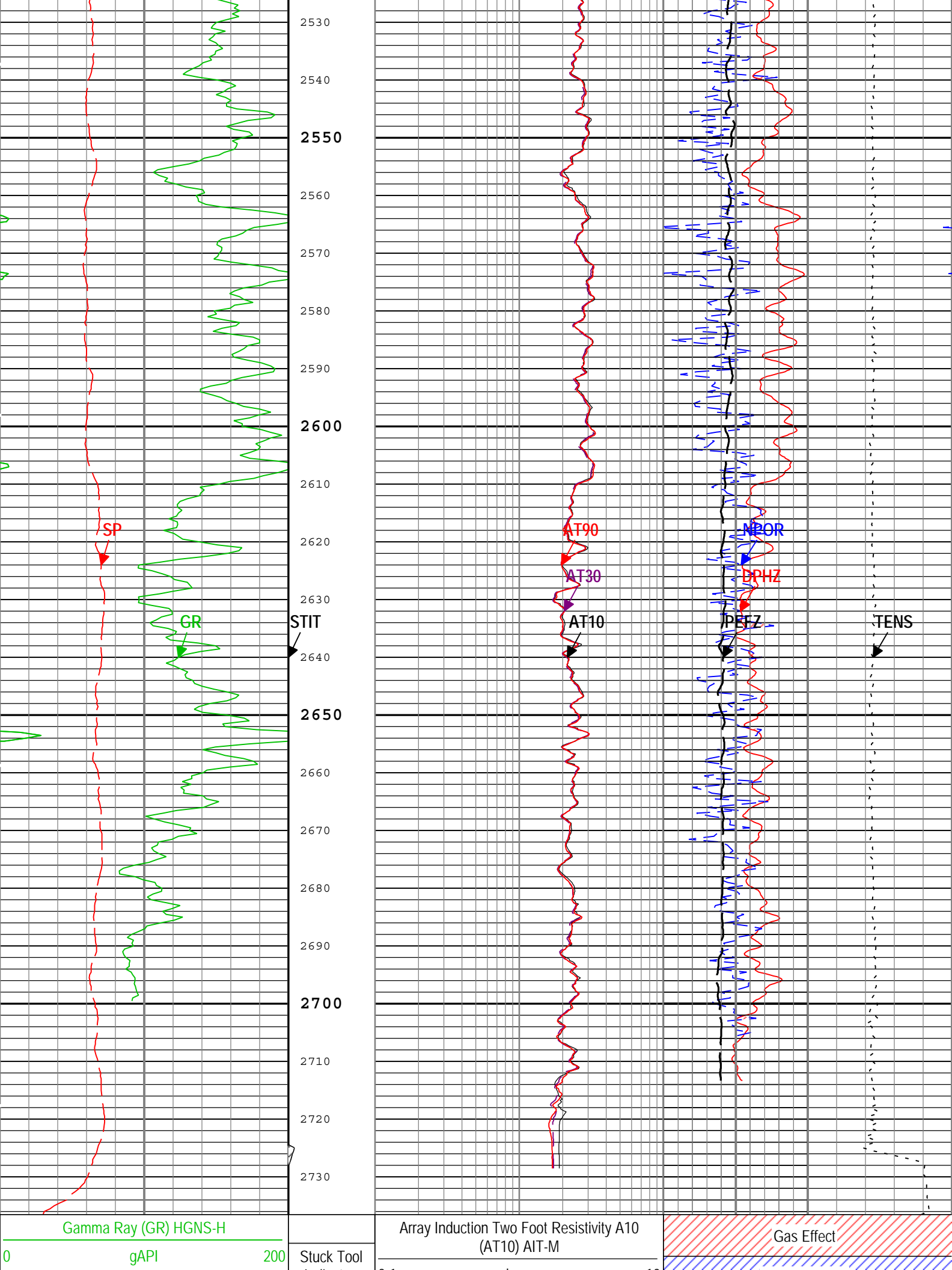


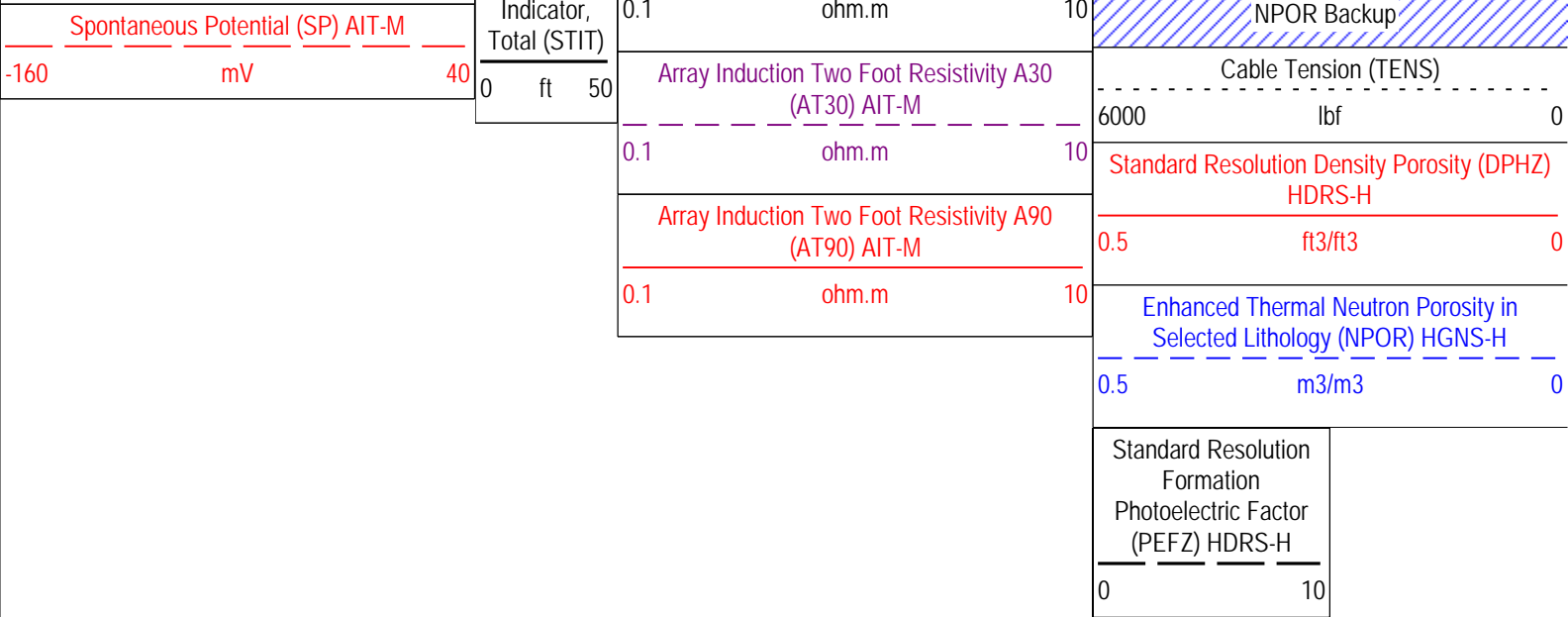












| Channel Processing Parameters |  |                 |                  |         |
|-------------------------------|--|-----------------|------------------|---------|
| Parameter                     | Description  | Tool            | Value            | Unit    |
| AAPL                          | Array Induction Answer Product Level(Depth Log/View only)                        | AIT-M           | Radial           |         |
| ABHM                          | Array Induction Borehole Correction Mode   | AIT-M           | Compute Standoff |         |
| ACDE                          | Array Induction Casing Detection Enable  | AIT-M           | No               |         |
| ACEN                          | Array Induction Tool Centering Flag (in Borehole)                                | AIT-M           | Eccentered       |         |
| AMRF                          | Array Induction Mud Resistivity Factor   | AIT-M           | 1                |         |
| ASTA                          | Array Induction Tool Standoff  | AIT-M           | 1                | in      |
| ATSE                          | Array Induction Temperature Selection(Sonde Error Correction)                    | AIT-M           | Internal         |         |
| BARI                          | Barite Mud Presence Flag   | Borehole        | No               |         |
| BHS                           | Borehole Status (Open or Cased Hole)   | Borehole        | Open             |         |
| BHT                           | Bottom Hole Temperature  | Borehole        | 103              | degF    |
| BS                            | Bit Size   | WLSESSION       | 6.25             | in      |
| BSAL                          | Borehole Salinity  | Borehole        | 12200            | ppm     |
| BSCO                          | Borehole Salinity Correction Option  | HGNS-H          | No               |         |
| CALI_SHIFT                    | CALI Supplementary Offset  | HDRS-H          | 0                | in      |
| CBLO                          | Casing Bottom (Logger)   | WLSESSION       | 494              | ft      |
| CCCO                          | Casing & Cement Thickness Correction Option                                      | HGNS-H          | No               |         |
| CDEN                          | Cement Density   | HGNS-H          | 2                | g/cm3   |
| DC_MODE                       | Depth Correction Mode  | DepthCorrection | Real-time        |         |
| DFD                           | Drilling Fluid Density   | Borehole        | 8.8              | lbm/gal |
| DFT                           | Drilling Fluid Type  | Borehole        | Water            |         |
| DHC                           | Density Hole Correction  | HDRS-H          | Bit Size         |         |
| FD                            | Fluid Density  | Borehole        | 1                | g/cm3   |
| FSAL                          | Formation Salinity   | Borehole        | 0                | ppm     |
| FSCO                          | Formation Salinity Correction Option   | HGNS-H          | No               |         |
| GCLF                          | Coal-Like Formation  | HDRS-H          | No               |         |
| 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             |         |
| GR_MULTIPLIER                 | Gamma Ray Multiplier   | HGNS-H          | 1                |         |
| GRSE                          | Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity | Borehole        | AMF              |         |
| GTSE                          | Generalized Temperature Selection, from Measured or                              | Borehole        | CTEM             |         |

|      |  |          |                     |       |
|------|--|----------|---------------------|-------|
|      | Computed Temperature   |          |                     |       |
| HSCO | Hole Size Correction Option                                  | HGNS-H   | Yes                 |       |
| MATR | Rock Matrix for Neutron Porosity Corrections                 | Borehole | LIMESTONE           |       |
| MCCO | Mud Cake Correction Option                                   | HGNS-H   | No                  |       |
| MDEN | Matrix Density for Density Porosity                          | Borehole | 2.71                | g/cm3 |
| MFST | Mud Filtrate Sample Temperature                              | Borehole | 86                  | degF  |
| MWCO | Mud Weight Correction Option                                 | HGNS-H   | No                  |       |
| NAAC | Switch for the correction of formation activation by the APS | HDRS-H   | Off                 |       |
| NPRM | HRDD Nuclear Processing Mode                                 | HDRS-H   | Standard Resolution |       |
| NTCO | HRDD Nuclear Temperature Correction Option                   | HDRS-H   | On                  |       |
| PTCO | Pressure Temperature Correction Option                       | HGNS-H   | No                  |       |
| RMFS | Resistivity of Mud Filtrate Sample                           | Borehole | 0.16                | ohm.m |
| SOCN | Standoff Distance  | HGNS-H   | 0.125               | in    |
| SOCO | Standoff Correction Option                                   | HGNS-H   | Yes                 |       |
| SPDR | SP Drift Per Foot  | AIT-M    | 0                   | mV/ft |
| TD   | Total Measured Depth   | Borehole | 2726                | ft    |
| TPOS | Tool Position: Centered or Eccentered                        | HGNS-H   | Eccentered          |       |

## Tool Control Parameters

| Parameter     | Description                                  | Tool      | Value            | Unit |
|---------------|--|-----------|------------------|------|
| HMCA_BRD_TYPE | HMCA Board Type                              | HGNS-H    | 1                |      |
| HRGD_BRD_TYPE | HRGD Board Type                              | HDRS-H    | WITH_HET         |      |
| MAX_LOG_SPEED | Toolstring Maximum Logging Speed             | WLSESSION | 3600             | ft/h |
| NDTC          | Nuclear Dead Time Correction                 | HDRS-H    | On               |      |
| NPUC          | Nuclear Pile-Up Correction                   | HDRS-H    | Off              |      |
| STSO_HRDD     | Temperature Source for the Density Algorithm | HDRS-H    | HET data channel |      |

# ONE

## Triple Combo Repeat Analysis

## Pass Summary

| Run Name | Pass Objective | Direction | Top        | Bottom     | Start                  | Stop                   | DSC Mode | Depth Shift | Include Parallel Data |
|----------|----------------|-----------|------------|------------|------------------------|------------------------|----------|-------------|-----------------------|
| ONE      | Log[3]:Up      | Up        | 2270.67 ft | 2738.64 ft | 15-Nov-2014 4:47:03 PM | 15-Nov-2014 4:55:23 PM | ON       | 0.26 ft     | No                    |
| ONE      | Log[4]:Up      | Up        | 38.39 ft   | 2736.62 ft | 15-Nov-2014 5:00:13 PM | 15-Nov-2014 5:50:10 PM | ON       | 0.00 ft     | No                    |

All depths are referenced to toolstring zero

## Log

Company: Omimex Petroleum Inc

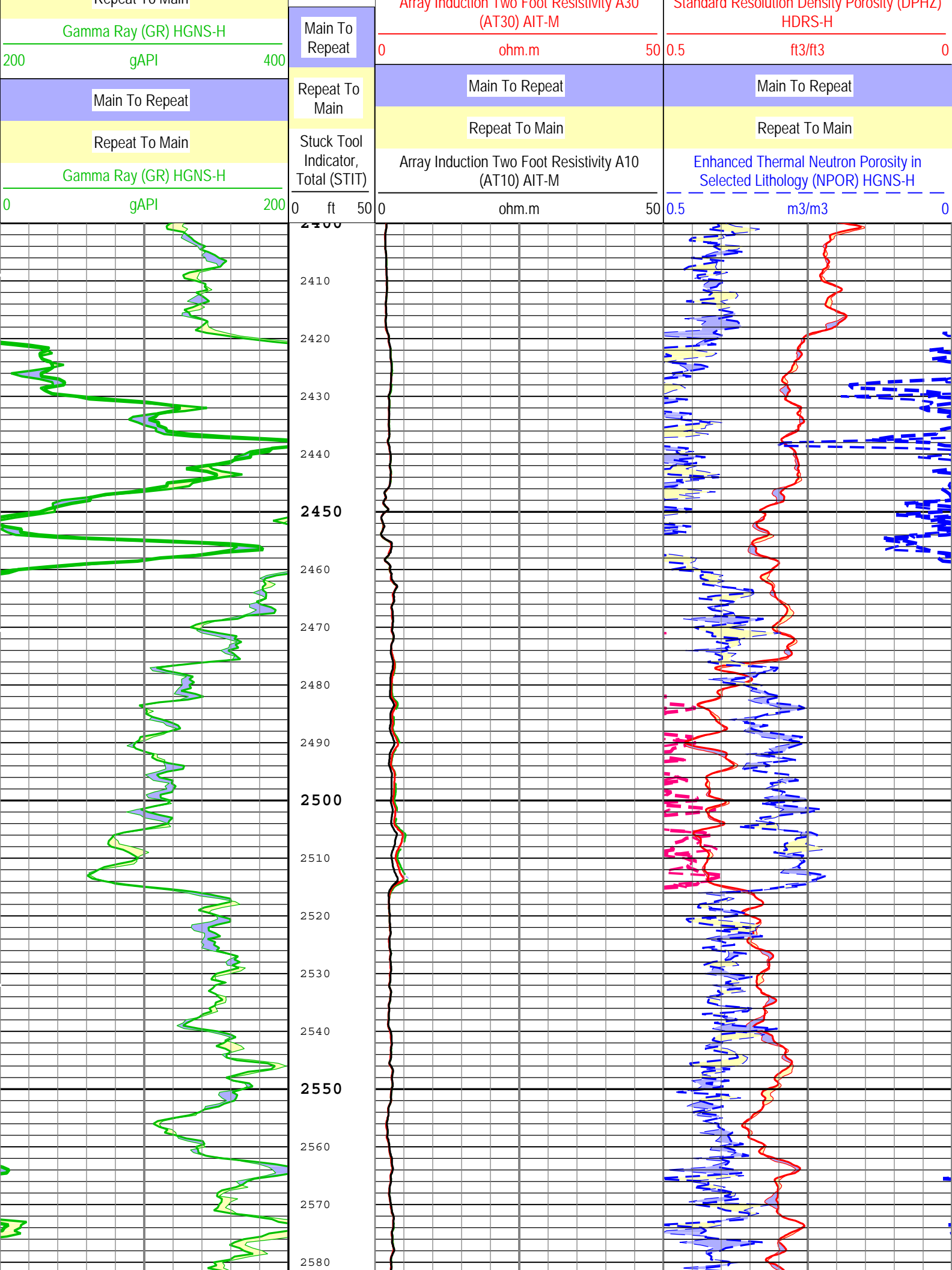
Well:Fiddler Peak Ranch 4-3-5-45

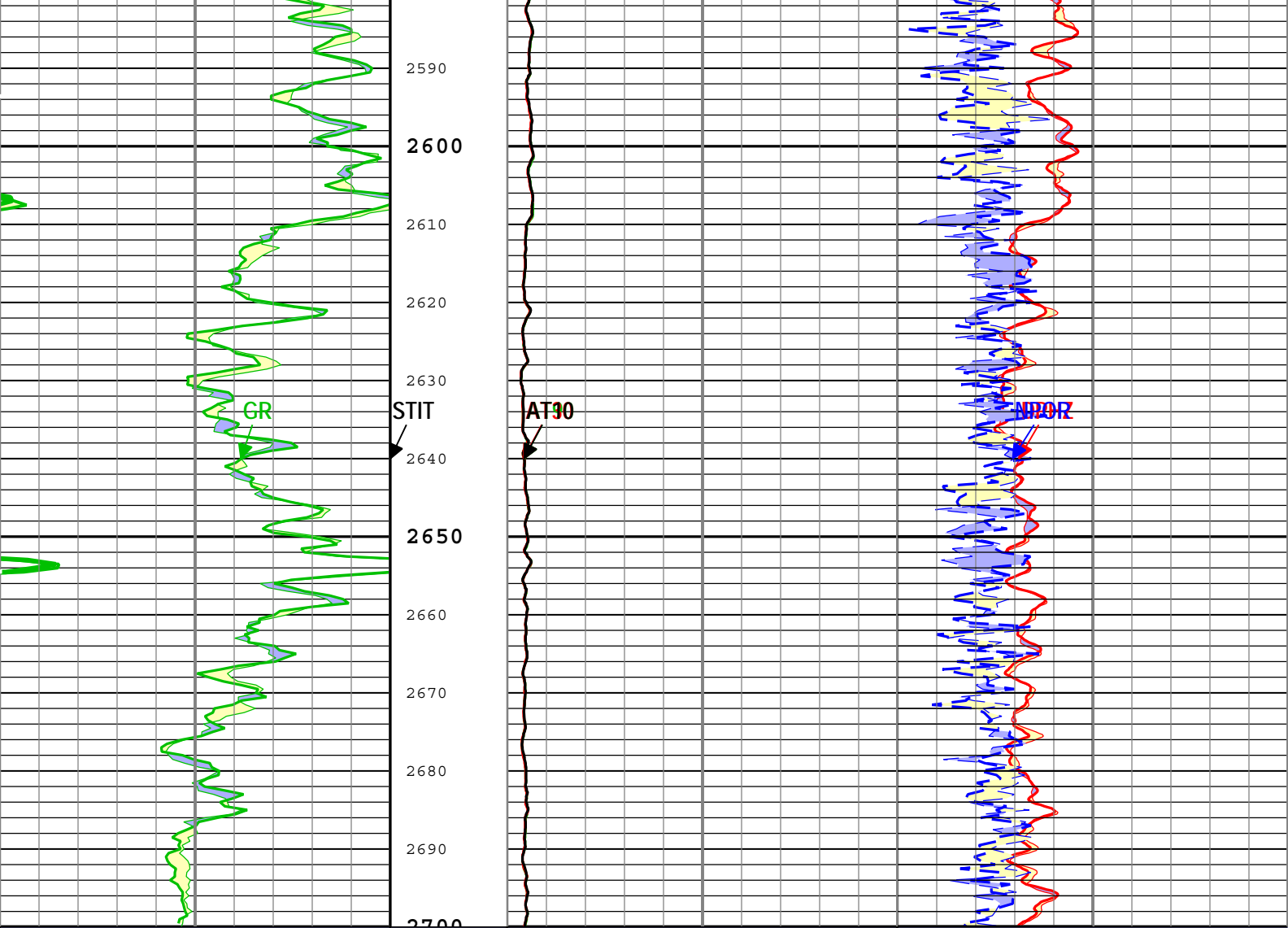
ONE: Log[3]:Up:S002

Description: HGNS standard resolution porosities for Platform Express    Format: Log ( EMD 5in Triple Combo Linear RA )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 15-Nov-2014 18:19:30

TIME\_1900 - Time Marked every 60.00 (s)

|  |   |
|--|---|
| <div> <div>Main To Repeat</div> <div>Repeat To Main</div> <div> <div>Array Induction Two Foot Resistivity A90 (AT90) AIT-M</div> <div>0ohm.m50</div> </div> </div> | <div>Main To Repeat</div>   |
|  | <div>Repeat To Main</div>   |
|  | <div>Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H</div> <div>-0.1ft3/ft3-0.5</div> |
| <div>Main To Repeat</div>  | <div>Main To Repeat</div>   |
| <div>Repeat To Main</div>  | <div>Repeat To Main</div>   |
| <div>Array Induction Two Foot Resistivity A20</div>  | <div>Standard Resolution Density Porosity (DRDZ)</div>  |





|                       |                                    |
|-----------------------|------------------------------------|
| Main To Repeat        | Main To Repeat                     |
| Repeat To Main        | Repeat To Main                     |
| Gamma Ray (GR) HGNS-H | Repeat To Main                     |
| 200gAPI400            | Stuck Tool Indicator, Total (STIT) |
| Main To Repeat        | 0ft50                              |
| Repeat To Main        |                                    |
| Gamma Ray (GR) HGNS-H |                                    |
| 0gAPI200              |                                    |

|   |   |
|---|---|
| Main To Repeat  | Main To Repeat  |
| Repeat To Main  | Repeat To Main  |
| Array Induction Two Foot Resistivity A90 (AT90) AIT-M | Array Induction Two Foot Resistivity A30 (AT30) AIT-M |
| 0ohm.m50  | 0ohm.m50  |
| Main To Repeat  | Main To Repeat  |
| Repeat To Main  | Repeat To Main  |
| Array Induction Two Foot Resistivity A10 (AT10) AIT-M |   |
| 0ohm.m50  |   |

|   |  |
|---|--|
| Main To Repeat  | Main To Repeat                                     |
| Repeat To Main  | Repeat To Main                                     |
| Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H | Standard Resolution Density Porosity (DPHZ) HDRS-H |
| -0.1ft3/ft3-0.5   | 0.5ft3/ft30  |
| Main To Repeat  | Main To Repeat                                     |
| Repeat To Main  | Repeat To Main                                     |
| Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H |  |
| 0.5m3/m30   |  |

TIME\_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express    Format: Log ( EMD 5in Triple Combo Linear RA )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 15-Nov-2014 18:19:30

AIT-M (Array Induction Tool - M) Calibration - Run ONE

|                       |  |  |   |  |  |      |     |
|-----------------------|--|--|---|--|--|------|-----|
| Primary Equipment :   |  |  | File code for AIT-MA Sonde Tool Element |  |  | AMIS | 181 |
| Auxiliary Equipment : |  |  | AITM Rm/SP Bottom Nose                  |  |  | AMRM | 181 |

AIT Sonde Calibration - Test Loop Gain

|                     |      |                      |         |           |        |            |             |
|---------------------|------|----------------------|---------|-----------|--------|------------|-------------|
| Master (EEPROM):    |      | 23:01:59 22-Sep-2014 |         |           |        |            |             |
| Measurement         | Unit | Phase                | Nominal | Low Limit | Actual | High Limit | <div></div> |
| Test Loop Gain - 0  |      | Master               | 1.000   | 0.950     | 1.041  | 1.050      | <div></div> |
| Test Loop Phase - 0 | deg  | Master               | 0       | -3.000    | 1.805  | 3.000      | <div></div> |
| Test Loop Gain - 1  |      | Master               | 1.000   | 0.950     | 1.017  | 1.050      | <div></div> |
| Test Loop Phase - 1 | deg  | Master               | 0       | -3.000    | 0.902  | 3.000      | <div></div> |
| Test Loop Gain - 2  |      | Master               | 1.000   | 0.950     | 1.017  | 1.050      | <div></div> |
| Test Loop Phase - 2 | deg  | Master               | 0       | -3.000    | 0.392  | 3.000      | <div></div> |
| Test Loop Gain - 3  |      | Master               | 1.000   | 0.950     | 1.016  | 1.050      | <div></div> |
| Test Loop Phase - 3 | deg  | Master               | 0       | -3.000    | 0.089  | 3.000      | <div></div> |
| Test Loop Gain - 4  |      | Master               | 1.000   | 0.950     | 1.009  | 1.050      | <div></div> |
| Test Loop Phase - 4 | deg  | Master               | 0       | -3.000    | 0.141  | 3.000      | <div></div> |
| Test Loop Gain - 5  |      | Master               | 1.000   | 0.950     | 0.991  | 1.050      | <div></div> |
| Test Loop Phase - 5 | deg  | Master               | 0       | -3.000    | -0.110 | 3.000      | <div></div> |
| Test Loop Gain - 6  |      | Master               | 1.000   | 0.950     | 0.998  | 1.050      | <div></div> |
| Test Loop Phase - 6 | deg  | Master               | 0       | -3.000    | 0.235  | 3.000      | <div></div> |
| Test Loop Gain - 7  |      | Master               | 1.000   | 0.950     | 1.010  | 1.050      | <div></div> |
| Test Loop Phase - 7 | deg  | Master               | 0       | -3.000    | -0.080 | 3.000      | <div></div> |

AIT Sonde Calibration - Sonde Error Correction

|                                 |      |                      |         |           |          |            |             |
|---------------------------------|------|----------------------|---------|-----------|----------|------------|-------------|
| Master (EEPROM):                |      | 23:01:59 22-Sep-2014 |         |           |          |            |             |
| Measurement                     | Unit | Phase                | Nominal | Low Limit | Actual   | High Limit | <div></div> |
| Sonde Error Correction Real - 0 | mS/m | Master               | -----   | -231.000  | -113.093 | 119.000    | <div></div> |
| Sonde Error Correction Quad - 0 |      | Master               | -----   | -2250.000 | 114.931  | 2250.000   | <div></div> |
| Sonde Error Correction Real - 1 | mS/m | Master               | -----   | 114.000   | 157.599  | 204.000    | <div></div> |
| Sonde Error Correction Quad - 1 |      | Master               | -----   | -625.000  | -170.942 | 625.000    | <div></div> |
| Sonde Error Correction Real - 2 | mS/m | Master               | -----   | 66.000    | 115.105  | 156.000    | <div></div> |
| Sonde Error Correction Quad - 2 |      | Master               | -----   | -350.000  | -99.364  | 350.000    | <div></div> |
| Sonde Error Correction Real - 3 | mS/m | Master               | -----   | 39.000    | 49.447   | 89.000     | <div></div> |
| Sonde Error Correction Quad - 3 |      | Master               | -----   | -250.000  | 2.279    | 250.000    | <div></div> |
| Sonde Error Correction Real - 4 | mS/m | Master               | -----   | 15.000    | 26.217   | 35.000     | <div></div> |
| Sonde Error Correction Quad - 4 |      | Master               | -----   | -63.000   | -3.708   | 63.000     | <div></div> |
| Sonde Error Correction Real - 5 | mS/m | Master               | -----   | 4.000     | 10.870   | 24.000     | <div></div> |
| Sonde Error Correction Quad - 5 |      | Master               | -----   | -50.000   | 21.802   | 50.000     | <div></div> |
| Sonde Error Correction Real - 6 | mS/m | Master               | -----   | 5.000     | 9.914    | 15.000     | <div></div> |
| Sonde Error Correction Quad - 6 |      | Master               | -----   | -30.000   | 2.857    | 30.000     | <div></div> |
| Sonde Error Correction Real - 7 | mS/m | Master               | -----   | -5.000    | -1.286   | 5.000      | <div></div> |
| Sonde Error Correction Quad - 7 |      | Master               | -----   | -30.000   | 1.530    | 30.000     | <div></div> |

AIT Mud Calibration - Mud Calibration Gain

|                  |      |                      |         |           |        |            |             |
|------------------|------|----------------------|---------|-----------|--------|------------|-------------|
| Master (EEPROM): |      | 23:01:59 22-Sep-2014 |         |           |        |            |             |
| Measurement      | Unit | Phase                | Nominal | Low Limit | Actual | High Limit | <div></div> |
| Coarse Gain      |      | Master               | 1.000   | 0.800     | 0.847  | 1.200      | <div></div> |
| Fine Gain        |      | Master               | 1.000   | 0.800     | 0.846  | 1.200      | <div></div> |

AIT Electronics Check - Thru Calibration Check

|                    |      |                      |         |                    |          |                      |             |
|--------------------|------|----------------------|---------|--------------------|----------|----------------------|-------------|
| Master (EEPROM):   |      | 23:01:59 22-Sep-2014 |         | Before (Measured): |          | 23:24:18 08-Jan-2015 |             |
| Measurement        | Unit | Phase                | Nominal | Low Limit          | Actual   | High Limit           | <div></div> |
| Thru Cal Mag - 0   | V    | Master               | -----   | 0.366              | 0.575    | 0.854                | <div></div> |
|                    |      | Before               | -----   | 0.366              | 0.575    | 0.854                | <div></div> |
|                    |      | Before-Master        | -----   | -----              | 0.000    | -----                | <div></div> |
| Thru Cal Phase - 0 | deg  | Master               | -----   | 137.000            | -169.442 | -103.000             | <div></div> |
|                    |      | Before               | -----   | 137.000            | -167.318 | -103.000             | <div></div> |
|                    |      | Before-Master        | -----   | -----              | 2.124    | -----                | <div></div> |
| Thru Cal Mag - 1   | V    | Master               | -----   | 0.762              | 1.178    | 1.778                | <div></div> |
|                    |      | Before               | -----   | 0.762              | 1.178    | 1.778                | <div></div> |
|                    |      | Before-Master        | -----   | -----              | 0.000    | -----                | <div></div> |
| Thru Cal Phase - 1 | deg  | Master               | -----   | 136.000            | -170.544 | -104.000             | <div></div> |
|                    |      | Before               | -----   | 136.000            | -168.418 | -104.000             | <div></div> |



HDBS-H (HI T Density and Ryo Sonde 150 degC) Calibration - Run ONE

3033

28726

### Short Spacing

5094

HRCC-H

## PARAMETERS

Small Ring Size (Caliper Calibration Small Ring)

8.00

Large Ring Size (Caliper Calibration Large Ring)

12.00

## HDRS Caliper Calibration - Caliper Accumulations

Before (Measured): 11:58:26 15-Nov-2014

| Measurement | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |
|-------------|------|--------|---------|-----------|--------|------------|--|
| Small Ring  | in   | Before | 8.00    | 6.00      | 7.56   | 10.00      |  |
| Large Ring  | in   | Before | 12.00   | 9.00      | 11.85  | 15.00      |  |

## HDRS Density Calibration - Inversion Results

Master (EEPROM): 15:21:00 21-Oct-2014

| Measurement   | Unit  | Phase  | Nominal | Low Limit | Actual | High Limit |  |
|---------------|-------|--------|---------|-----------|--------|------------|--|
| Rho Aluminum  | g/cm3 | Master | 2.596   | 2.586     | 2.594  | 2.606      |  |
| Rho Magnesium | g/cm3 | Master | 1.686   | 1.676     | 1.689  | 1.696      |  |
| Pe Aluminum   |       | Master | 2.570   | 2.470     | 2.582  | 2.670      |  |
| Pe Magnesium  |       | Master | 2.650   | 2.550     | 2.589  | 2.750      |  |

## HDRS Density Calibration - Deviation Summary

Master (EEPROM): 15:21:00 21-Oct-2014

| Measurement          | Unit | Phase  | Nominal | Low Limit | Actual | High Limit |  |
|----------------------|------|--------|---------|-----------|--------|------------|--|
| BS Average Deviation | %    | Master | 0       | -0.6000   | 0.3325 | 0.6000     |  |
| BS Max Deviation     | %    | Master | 0       | -1.6000   | 0.9257 | 1.6000     |  |
| SS Average Deviation | %    | Master | 0       | -1.0000   | 0.3008 | 1.0000     |  |
| SS Max Deviation     | %    | Master | 0       | -2.5000   | 0.9629 | 2.5000     |  |
| LS Average Deviation | %    | Master | 0       | -1.5000   | 0.9542 | 1.5000     |  |
| LS Max Deviation     | %    | Master | 0       | -3.5000   | 2.5936 | 3.5000     |  |

## HDRS Density Calibration - Background Summary

Master (EEPROM): 15:21:00 21-Oct-2014

Before (Measured):

12:28:56 15-Nov-2014

| Measurement     | Unit | Phase         | Nominal | Low Limit | Actual  | High Limit |  |
|-----------------|------|---------------|---------|-----------|---------|------------|--|
| BS Window Ratio |      | Master        | 1.0000  |           | 0.7486  |            |  |
|                 |      | Before        | 0.7486  | 0.7111    | 0.7503  | 0.7860     |  |
|                 |      | Before-Master | -----   | -----     | 0.0017  | -----      |  |
| BS Window Sum   | 1/s  | Master        | 1       |           | 23350   |            |  |
|                 |      | Before        | 23350   | 22183     | 23336   | 24518      |  |
|                 |      | Before-Master | -----   | -----     | -14     | -----      |  |
| SS Window Ratio |      | Master        | 1.0000  |           | 0.4883  |            |  |
|                 |      | Before        | 0.4883  | 0.4639    | 0.4867  | 0.5127     |  |
|                 |      | Before-Master | -----   | -----     | -0.0016 | -----      |  |
| SS Window Sum   | 1/s  | Master        | 1       |           | 10931   |            |  |
|                 |      | Before        | 10931   | 10384     | 10899   | 11477      |  |
|                 |      | Before-Master | -----   | -----     | -32     | -----      |  |
| LS Window Ratio |      | Master        | 1.0000  |           | 0.3000  |            |  |
|                 |      | Before        | 0.3000  | 0.2850    | 0.3024  | 0.3150     |  |
|                 |      | Before-Master | -----   | -----     | 0.0024  | -----      |  |
| LS Window Sum   | 1/s  | Master        | 1       |           | 1194    |            |  |
|                 |      | Before        | 1194    | 1134      | 1188    | 1253       |  |
|                 |      | Before-Master | -----   | -----     | -6      | -----      |  |

## HDRS Density Calibration - Photo-multiplier High Voltages

Master (EEPROM): 15:21:00 21-Oct-2014

Before (Measured):

12:28:56 15-Nov-2014

| Measurement        | Unit | Phase         | Nominal | Low Limit | Actual | High Limit |  |
|--------------------|------|---------------|---------|-----------|--------|------------|--|
| BS PM High Voltage | V    | Master        |         | 1000      | 1613   | 2400       |  |
|                    |      | Before        |         | 1000      | 1600   | 2400       |  |
|                    |      | Before-Master | -----   | -100      | -13    | 100        |  |
| SS PM High Voltage | V    | Master        |         | 1000      | 1489   | 2400       |  |
|                    |      | Before        |         | 1000      | 1490   | 2400       |  |
|                    |      | Before-Master | -----   | -100      | 1      | 100        |  |
| LS PM High Voltage | V    | Master        |         | 1000      | 1276   | 2400       |  |
|                    |      | Before        |         | 1000      | 1290   | 2400       |  |
|                    |      | Before-Master | -----   | -100      | 14     | 100        |  |

## HDRS Density Calibration - Crystal Quality Resolutions

Master (EEPROM): 15:21:00 21-Oct-2014

Before (Measured):

12:28:56 15-Nov-2014

| Measurement           | Unit | Phase         | Nominal | Low Limit | Actual | High Limit |  |
|-----------------------|------|---------------|---------|-----------|--------|------------|--|
| BS Crystal Resolution | %    | Master        |         | 5.00      | 10.77  | 25.00      |  |
|                       |      | Before        |         | 5.00      | 10.79  | 25.00      |  |
|                       |      | Before-Master | -----   | -1.00     | 0.02   | 1.00       |  |

|                       |   |                                   |       |                       |                      |                        |  |
|-----------------------|---|-----------------------------------|-------|-----------------------|----------------------|------------------------|--|
| LS Crystal Resolution | % | Master<br>Before<br>Before-Master | ----- | 5.00<br>5.00<br>-1.00 | 9.68<br>9.92<br>0.24 | 20.00<br>20.00<br>1.00 |  |
| LS Crystal Resolution | % | Master<br>Before<br>Before-Master | ----- | 5.00<br>5.00<br>-1.00 | 8.06<br>8.28<br>0.22 | 20.00<br>20.00<br>1.00 |  |

## HDRS MCFL Calibration - MCFL Accumulations

| Before (Measured):  |       | 12:23:12 15-Nov-2014 |         |           |        |            |  |
|---------------------|-------|----------------------|---------|-----------|--------|------------|--|
| Measurement         | Unit  | Phase                | Nominal | Low Limit | Actual | High Limit |  |
| Main Resistivity    | ohm.m | Before               | 3875    | 3565      | 3873   | 4185       |  |
| Deep Resistivity    | ohm.m | Before               | 3830    | 3524      | 3812   | 4136       |  |
| Shallow Resistivity | ohm.m | Before               | 3830    | 3524      | 3819   | 4136       |  |

## HGNS-H (HILT Gamma-Ray and Neutron Sonde, 150 degC) Calibration - Run ONE

|  |  |         |      |
|--|--|---------|------|
| Primary Equipment :                        |  |         |      |
| HILT Gamma-Ray and Neutron Sonde, 150 degC |  | HGNS-H  | 4810 |
| Auxiliary Equipment :                      |  |         |      |
| HGNS Accelerometer, 150 degC               |  | HACCZ-H | 5955 |
| AmBe Neutron Logging Source                |  | NSR-F   | 5215 |
| Calibration Parameter :                    |  |         |      |
| Water Temperature                          |  |         |      |
| Housing Size                               |  |         |      |
| JIG-BKG (Jig minus background reference)   |  | 165     |      |

## HGNS Accelerometer Calibration - Accelerometer Accumulations

| Before (Measured):      |       | 16:20:22 15-Nov-2014 |         |           |        |            |  |
|-------------------------|-------|----------------------|---------|-----------|--------|------------|--|
| Measurement             | Unit  | Phase                | Nominal | Low Limit | Actual | High Limit |  |
| AZ Vertical Measurement | ft/s2 | Before               | 32.2    | 31.5      | 32.1   | 32.8       |  |

## HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

| Master (EEPROM):                    |      | 00:00:00 15-Jan-2007 |         |           |          |            |  |
|-------------------------------------|------|----------------------|---------|-----------|----------|------------|--|
| Measurement                         | Unit | Phase                | Nominal | Low Limit | Actual   | High Limit |  |
| Accelerometer Manufacturer          |      | Master               |         |           | QAT_160  |            |  |
| Accelerometer Reference Temperature | degF | Master               |         | 30.2      | 77.0     | 122.0      |  |
| Accelerometer Coefficients - 0      |      | Master               | -----   | -----     | 1155.700 | -----      |  |
| Accelerometer Coefficients - 1      |      | Master               | -----   | -----     | 26.890   | -----      |  |
| Accelerometer Coefficients - 2      |      | Master               | -----   | -----     | -0.008   | -----      |  |
| Accelerometer Coefficients - 3      |      | Master               | -----   | -----     | 0.000    | -----      |  |
| Accelerometer Coefficients - 4      |      | Master               | -----   | -----     | 2.748    | -----      |  |
| Accelerometer Coefficients - 5      |      | Master               | -----   | -----     | 0.000    | -----      |  |
| Accelerometer Coefficients - 6      |      | Master               | -----   | -----     | 0.000    | -----      |  |
| Accelerometer Coefficients - 7      |      | Master               | -----   | -----     | 0.000    | -----      |  |
| Accelerometer Coefficients - 8      |      | Master               | -----   | -----     | 298.600  | -----      |  |
| Accelerometer Coefficients - 9      |      | Master               | -----   | -----     | 0.983    | -----      |  |

## HGNS Neutron Calibration - HGNS Neutron Accumulations

| Master (EEPROM):                |      | 10:43:32 31-Oct-2014 |         | Before (Measured): |        | 12:27:25 15-Nov-2014 |  |
|---------------------------------|------|----------------------|---------|--------------------|--------|----------------------|--|
| Measurement                     | Unit | Phase                | Nominal | Low Limit          | Actual | High Limit           |  |
| Near Zero Measurement           | 1/s  | Master               | 0       | 5.0                | 24.4   | 40.0                 |  |
|                                 |      | Before               | 0       | 5.0                | 24.3   | 40.0                 |  |
|                                 |      | Before-Master        | -----   | -3.7               | -0.1   | 3.7                  |  |
| Far Zero Measurement            | 1/s  | Master               | 0       | 5.0                | 28.7   | 40.0                 |  |
|                                 |      | Before               | 0       | 5.0                | 29.9   | 40.0                 |  |
|                                 |      | Before-Master        | -----   | -4.3               | 1.2    | 4.3                  |  |
| Near Plus Measurement           | 1/s  | Master               | 6031.0  | 4700.0             | 5257.0 | 6900.0               |  |
|                                 |      | Before               | -----   | -----              | -----  | -----                |  |
|                                 |      | Before-Master        | -----   | -----              | -----  | -----                |  |
| Far Plus Measurement            | 1/s  | Master               | 2793.0  | 1900.0             | 2224.0 | 2900.0               |  |
|                                 |      | Before               | -----   | -----              | -----  | -----                |  |
|                                 |      | Before-Master        | -----   | -----              | -----  | -----                |  |
| Near Corrected Plus Measurement | 1/s  | Master               |         | 4700.0             | 5330.0 | 6900.0               |  |
|                                 |      | Before               | -----   | -----              | -----  | -----                |  |

|  |      |                                   |         |                          |                          |                          |  |
|--|------|-----------------------------------|---------|--------------------------|--------------------------|--------------------------|--|
|  |      | Before-Master                     | ----    | ----                     | ----                     | ----                     |  |
| Far Corrected Plus Measurement                       | 1/s  | Master<br>Before<br>Before-Master | ----    | 1900.0<br>-----<br>----- | 2259.0<br>-----<br>----- | 2900.0<br>-----<br>----- |  |
| HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations |      |                                   |         |                          |                          |                          |  |
| Before (Measured): 12:33:12 15-Nov-2014              |      |                                   |         |                          |                          |                          |  |
| Measurement  | Unit | Phase                             | Nominal | Low Limit                | Actual                   | High Limit               |  |
| RGR Zero Measurement                                 | gAPI | Before                            | 30.0    | 0                        | 79.7                     | 120.0                    |  |
| RGR Plus Measurement                                 | gAPI | Before                            | 185.4   | 157.1                    | 169.1                    | 206.3                    |  |
| GR Calibration Gain                                  |      | Before                            | 0.89    | 0.80                     | 0.98                     | 1.05                     |  |

|                  |                             |              |
|------------------|-----------------------------|--------------|
| Company:         | Omimex Petroleum Inc        | Schlumberger |
| Well:            | Fiddler Peak Ranch 4-3-5-45 |              |
| Field:           | Ballyneal                   |              |
| County:          | Yuma                        |              |
| State:           | Colorado                    |              |
| Platform Express |                             |              |
| Triple Combo     |                             |              |