



Weatherford

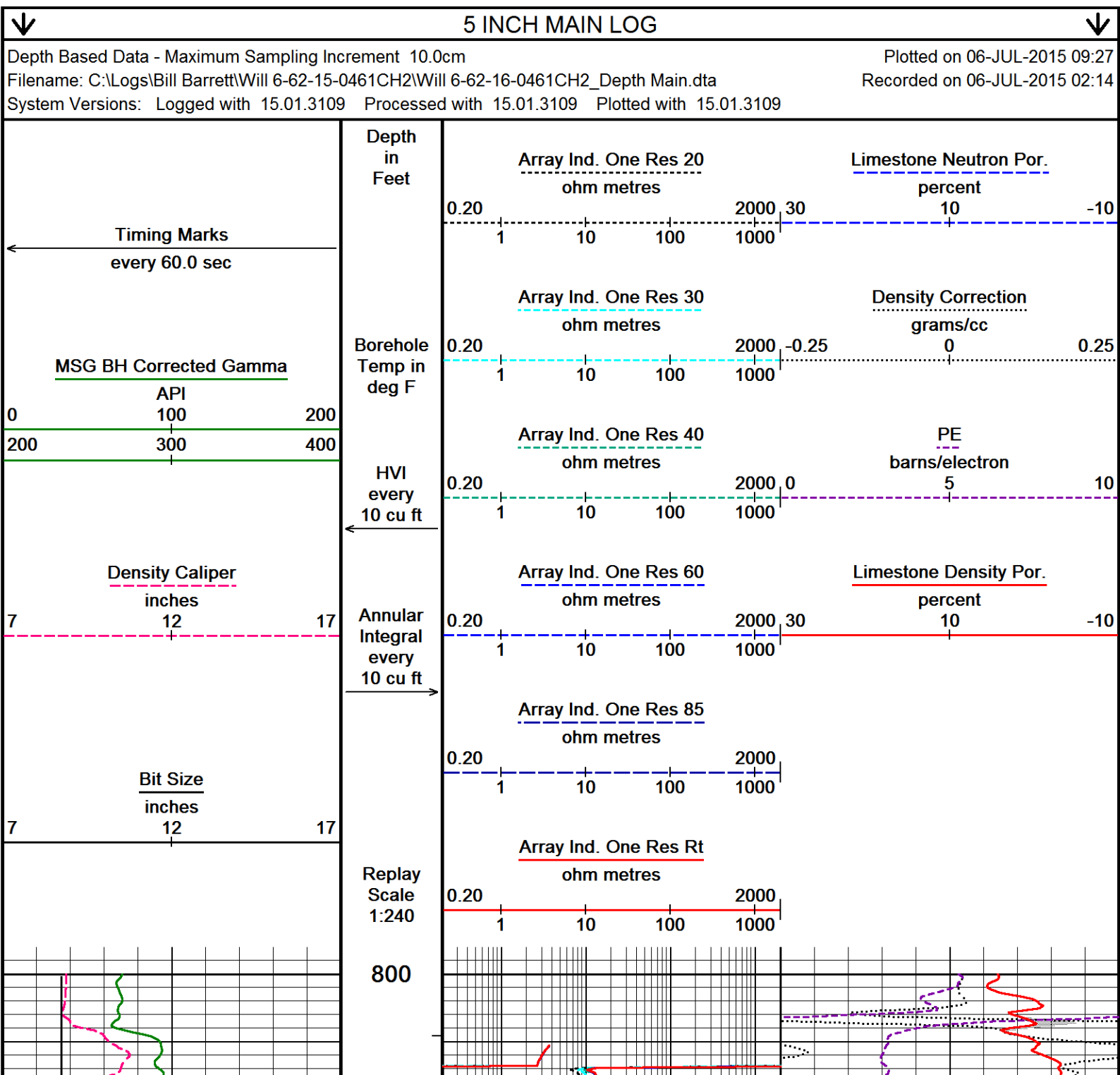
**MEASURED DEPTH
COMPACT TRIPLE COMBO
QUICKLOOK LOG**

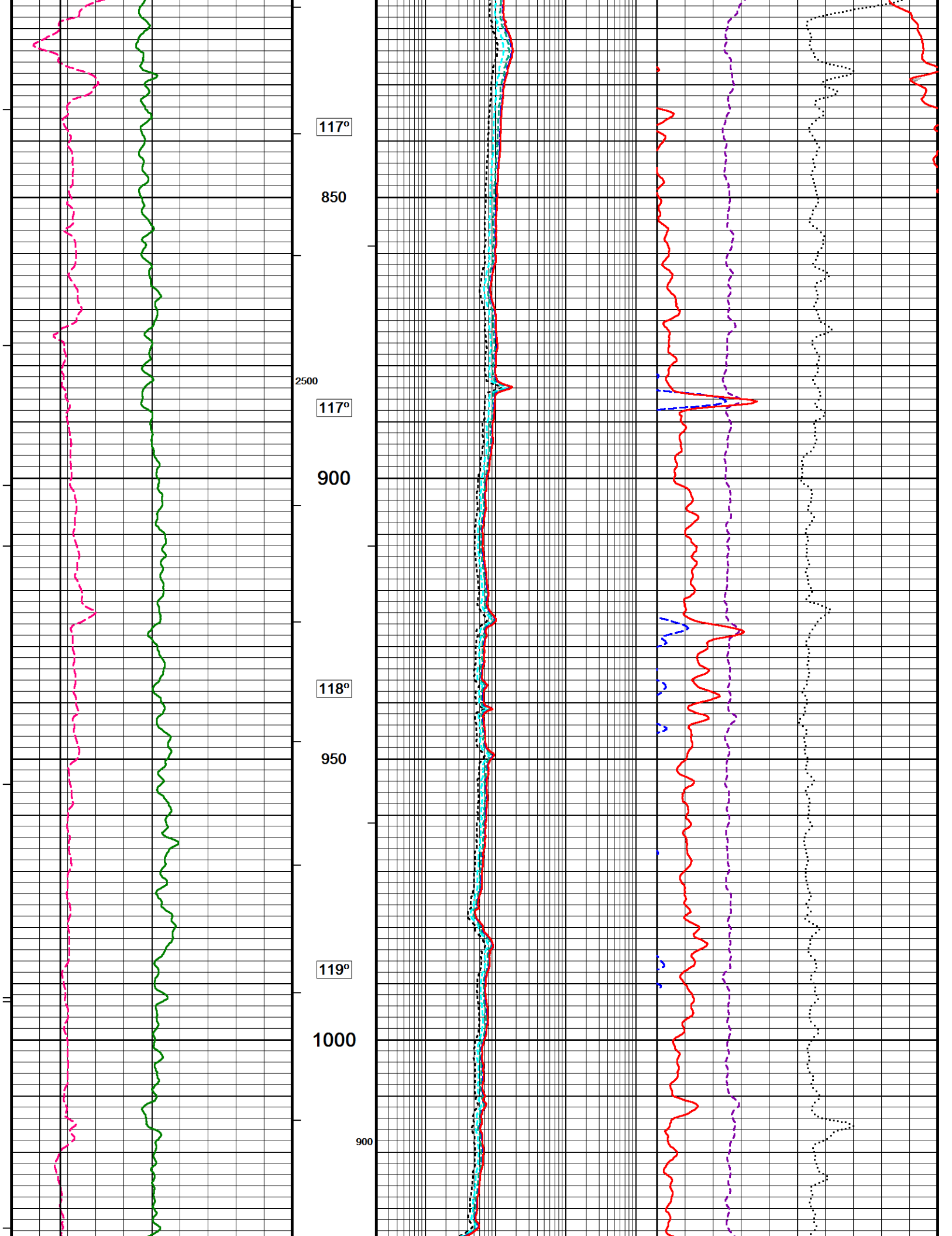
| | | | |
|---|---------------------------|---|----------------|
| COMPANY | BILL BARRETT CORP | | |
| WELL | WILL 6-62-15-0461CH2 | | |
| FIELD | WATTENBERG | | |
| PROVINCE/COUNTY | WELD | | |
| COUNTRY/STATE | U.S.A. / COLORADO | | |
| LOCATION | SHL: 300' FNL & 2305' FWL | | |
| PERMIT NUMBER | LPL: 500' FNL & 2610' FWL | | |
| SEC 15 | TWP 6N | RGE 62W | Other Services |
| API Number | 0512340119 | | |
| Permanent Datum G.L., Elevation 4750 feet | | | |
| Log Measured From KB | | | |
| Drilling Measured From K.B. @ 16 FEET | | | |
| Date | 5-JULY-2015 | Elevations: KB 4766.00 DF 4766.00 GL 4750.00 | |
| Run Number | ONE | | |
| Service Order | 2577-123295887 | | |
| Depth Driller | 6823.00 | feet | |
| Depth Logger | 6823.00 | feet | |
| First Reading | 6803.00 | feet | |
| Last Reading | 808.00 | feet | |
| Casing Driller | 808.00 | feet | |
| Casing Logger | 808.00 | feet | |
| Bit Size | 8.750 | inches | |
| Hole Fluid Type | WBM | | |
| Density / Viscosity | 10.20 lb/USg | 42.00 Sec/Ct | |
| PH / Fluid Loss | 8.70 | 4.20 ml/30Min | |
| Sample Source | FLOWLINE | | |
| Rm @ Measured Temp | 1.32 @101.0 | ohm-m | |
| Rmf @ Measured Temp | 1.06 @101.0 | ohm-m | |
| Rmc @ Measured Temp | 1.58 @101.0 | ohm-m | |
| Source Rmf / Rmc | CALC | CALC | |
| Rm @ BHT | 0.76 @101.0 | ohm-m | |
| Time Since Circulation | NO DELAY | | |
| Max Recorded Temp | 177.00 | deg F | |
| Equipment / Base | 18086 | Casper | |
| Recorded By | M.RICHINS | | |
| Witnessed By | K.GRITZ | | |
| | WSL | | |

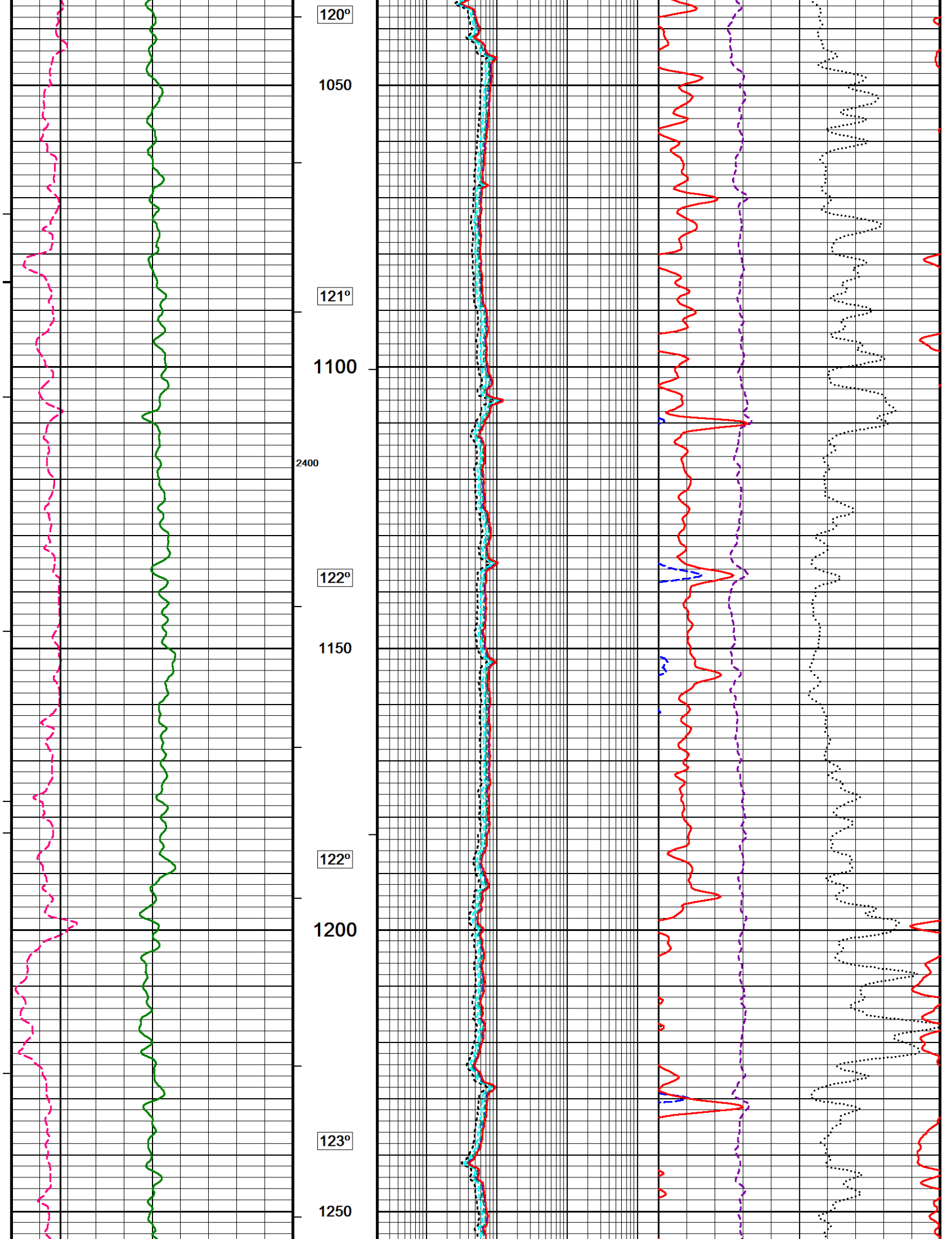
| BOREHOLE RECORD | | | | Last Edited: 06-JUL-2015 01:49 |
|--------------------|----------------|--------------------|--------------------|--------------------------------|
| Bit Size inches | | Depth From feet | | Depth To feet |
| 8.750 | | 808.00 | | 6923.00 |
| CASING RECORD | | | | |
| Type | Size inches | Depth From feet | Shoe Depth feet | Weight pounds/ft |
| SURFACE | 9.625 | 0.00 | 808.00 | 36.00 |

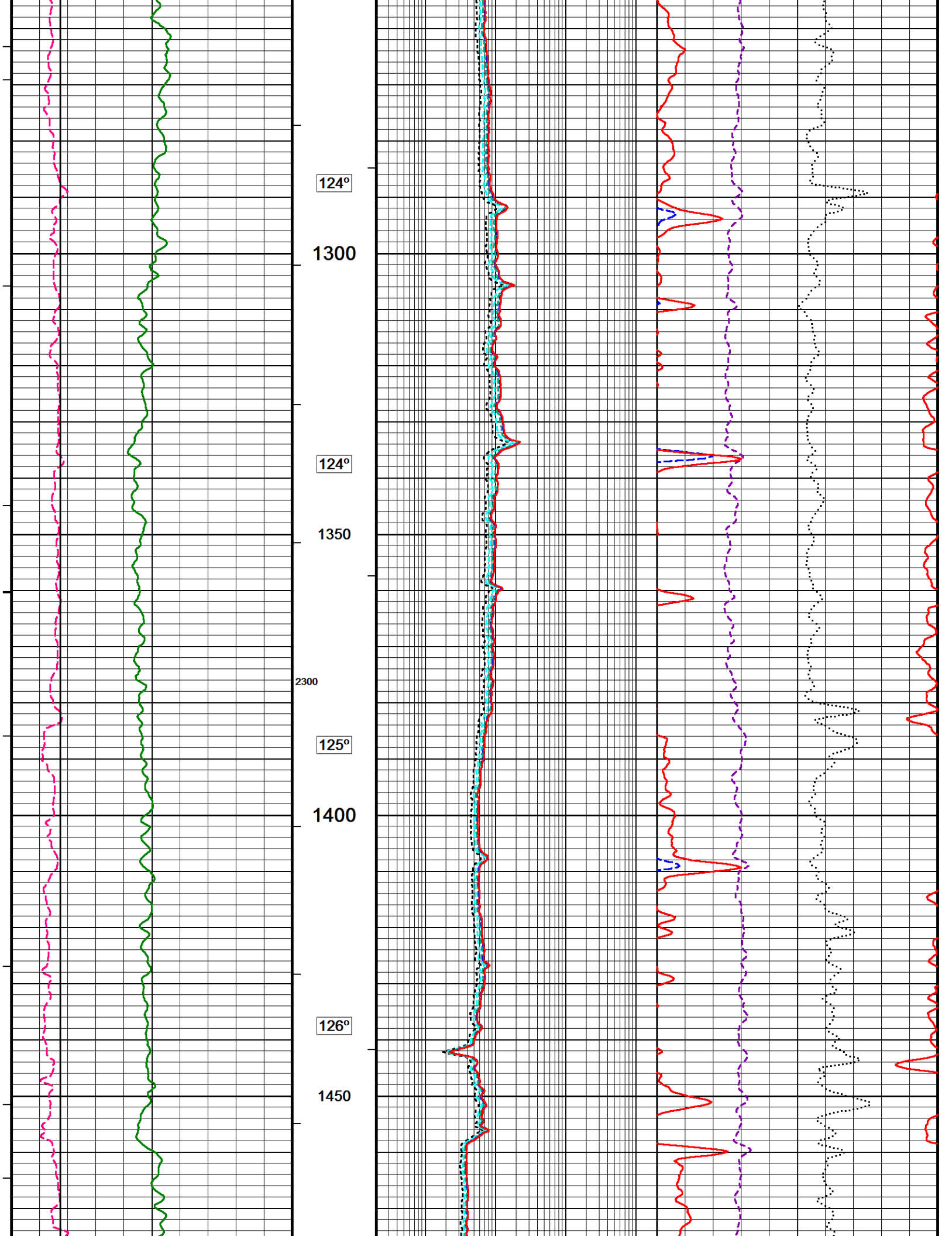
| REMARKS |
|--|
| LOGGED WITH WLS 15.01.3109 |
| TOOLS CONVEYED WITH DRILL PIPE USING COMPACT WELL SHUTTLE LOGS RECORDED WITH 200V MEMORY SUB AND EXTENDED BATTERY |
| HARDWARE: MDN: MIS-A SINGLE BOWSPRING USED ABOVE MDN MPD: 4INCH PROFILE PLATE USED, MVC DUAL ARM CALIPER USED BELOW MPD MSG: RAN ABOVE MDN TO ELIMINATE EFFECTS OF RADIO-ACTIVATION IN WELL |
| 2.71 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY |
| ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST TOOLS DEPLOYED AT 6808 PER CUSTOMER REQUEST. TD NOT CONFIRMED WITH DRILL PIPE |
| ANNULAR HOLE VOLUME FROM 6808 TO 808 FEET CALCULATED WITH 7" 26# INTERMEDIATE CASING = 940 CUBIC FEET TOTAL HOLE VOLUME FROM 6808 TO 808 FEET = 2540 CUBIC FEET |

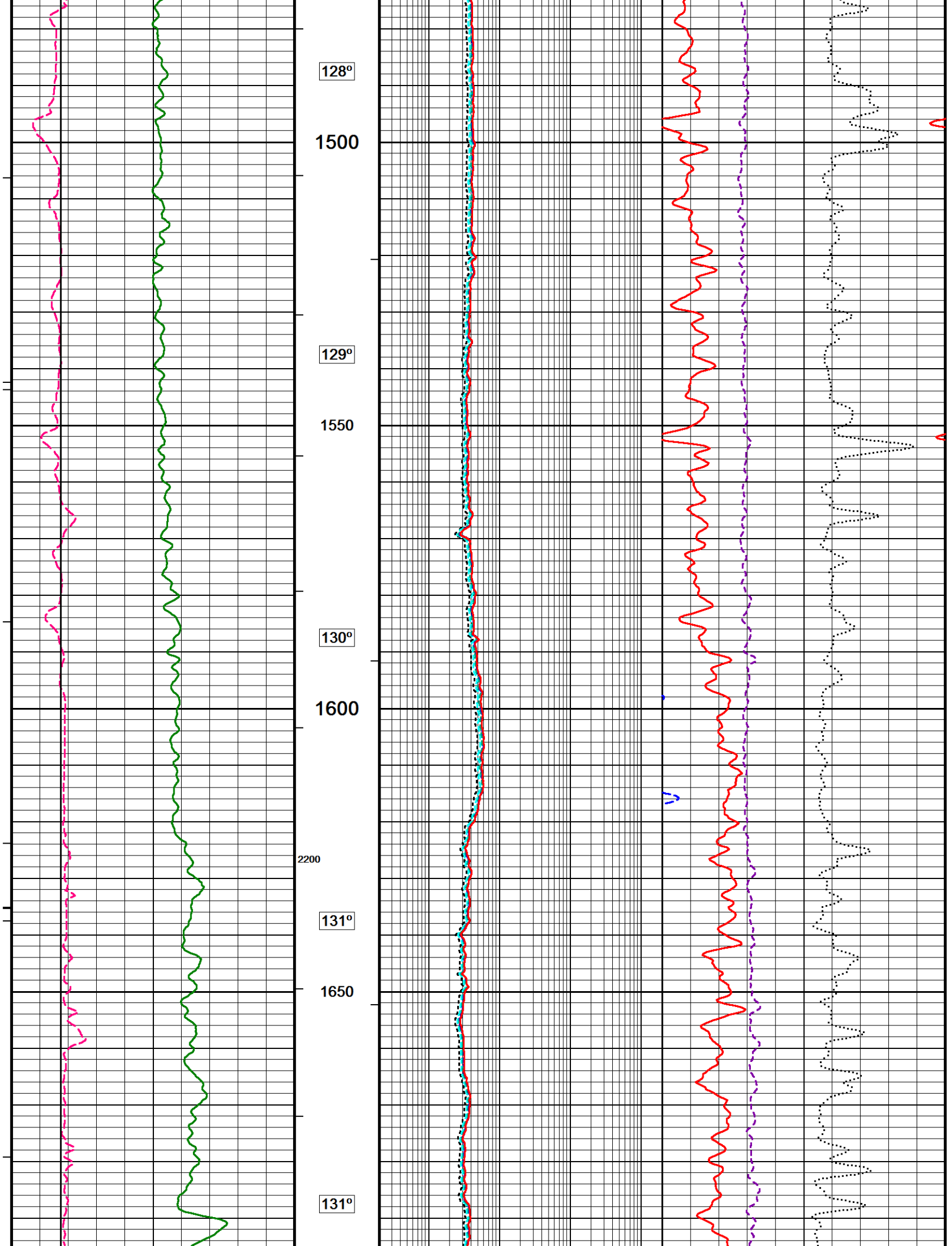
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

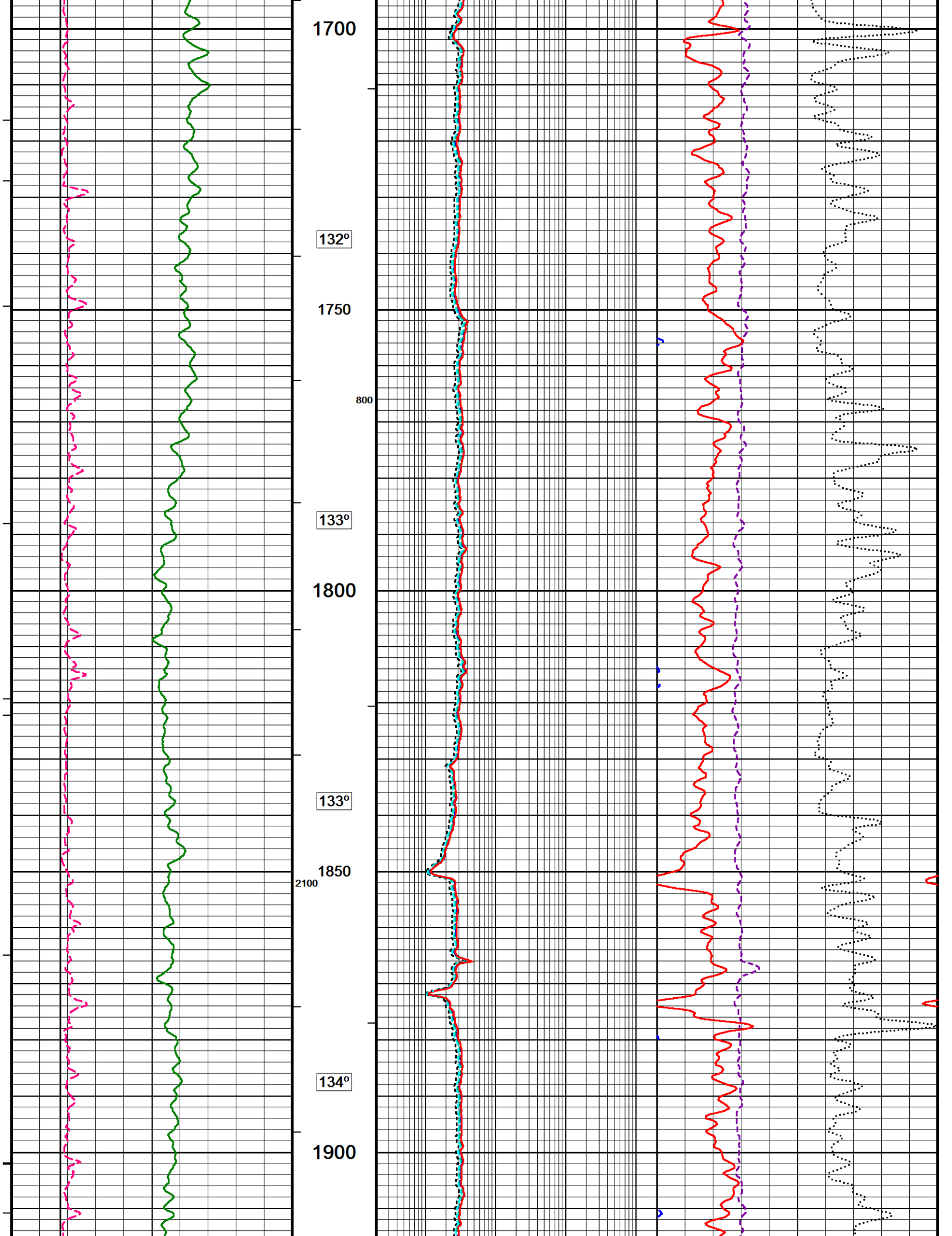


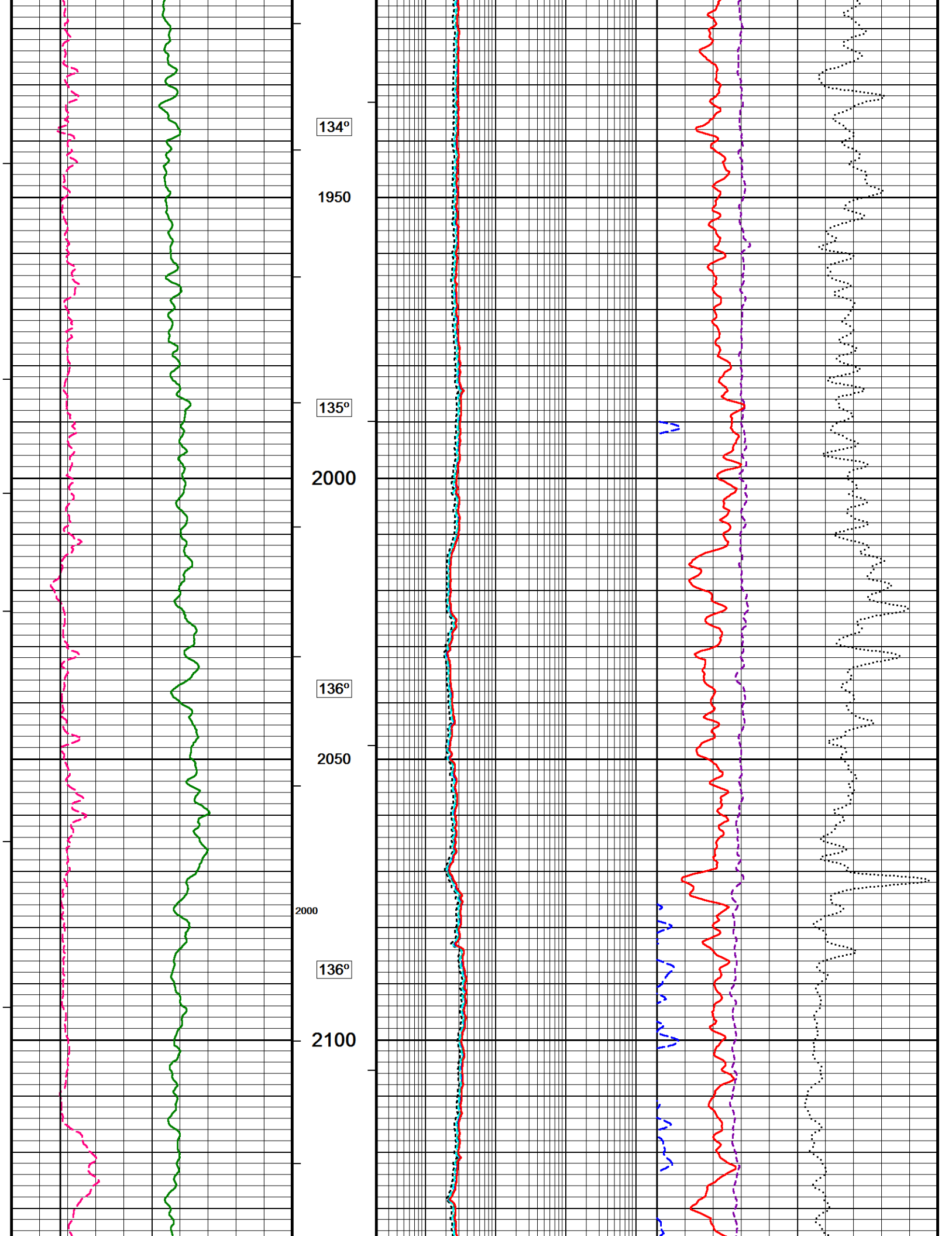


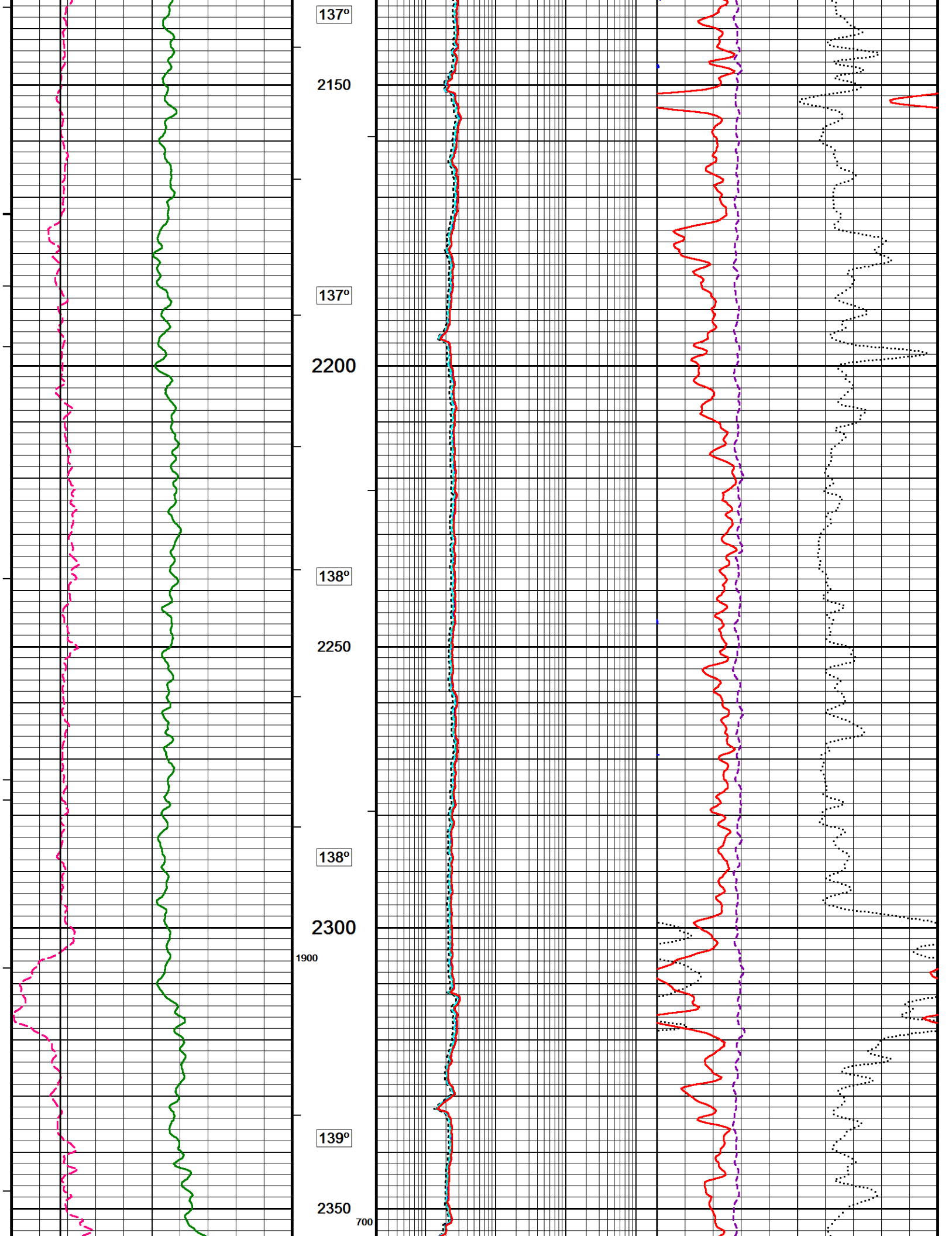


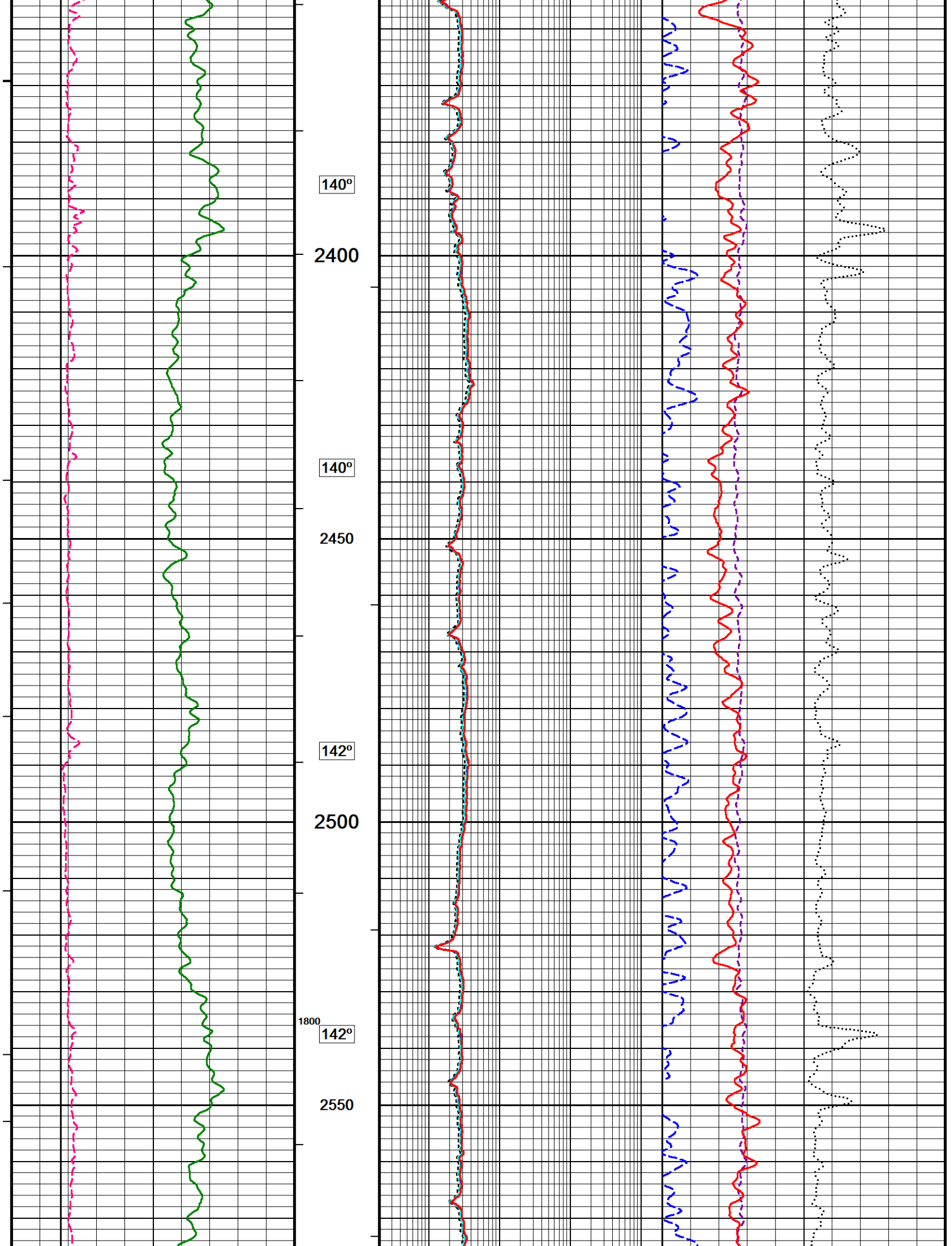


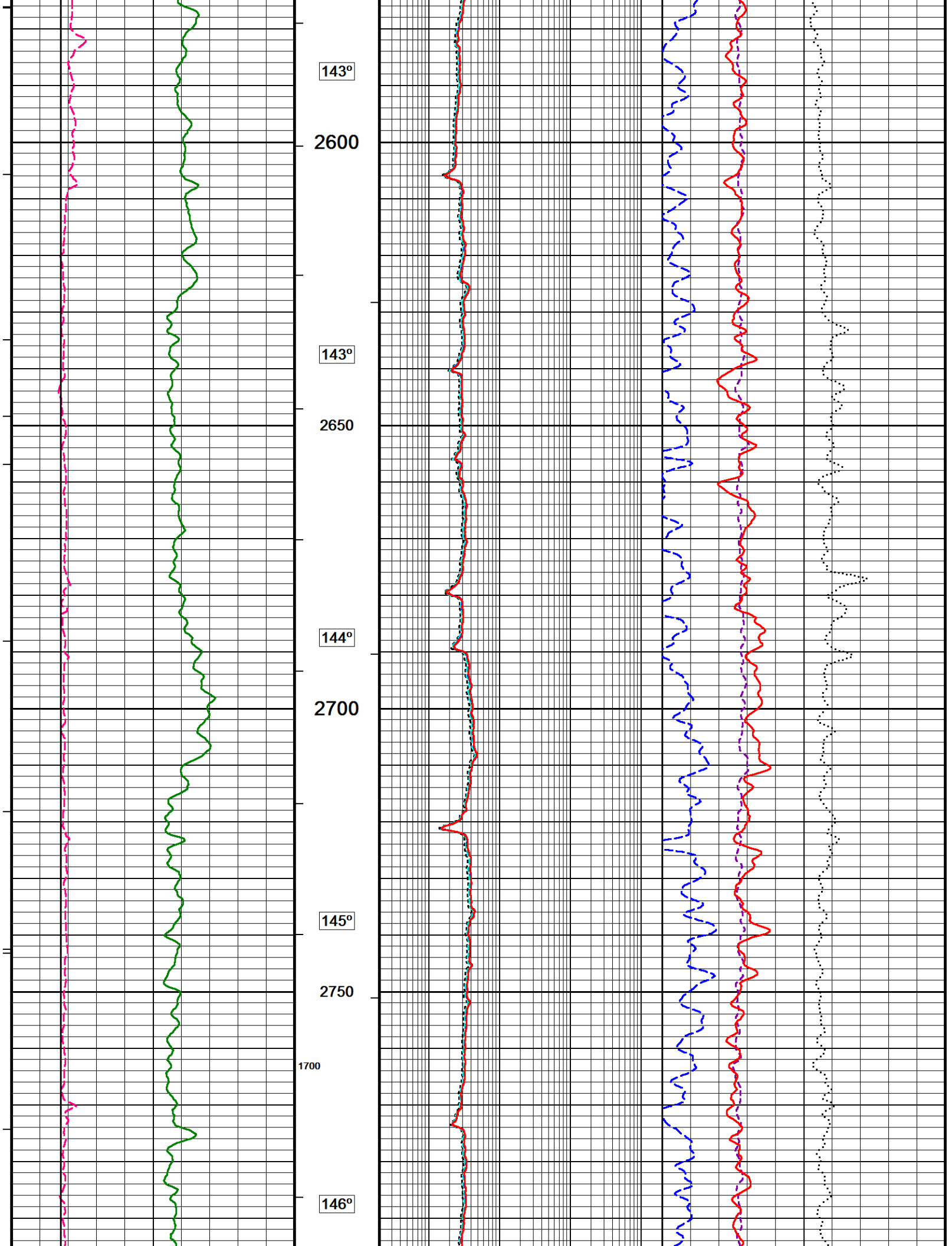


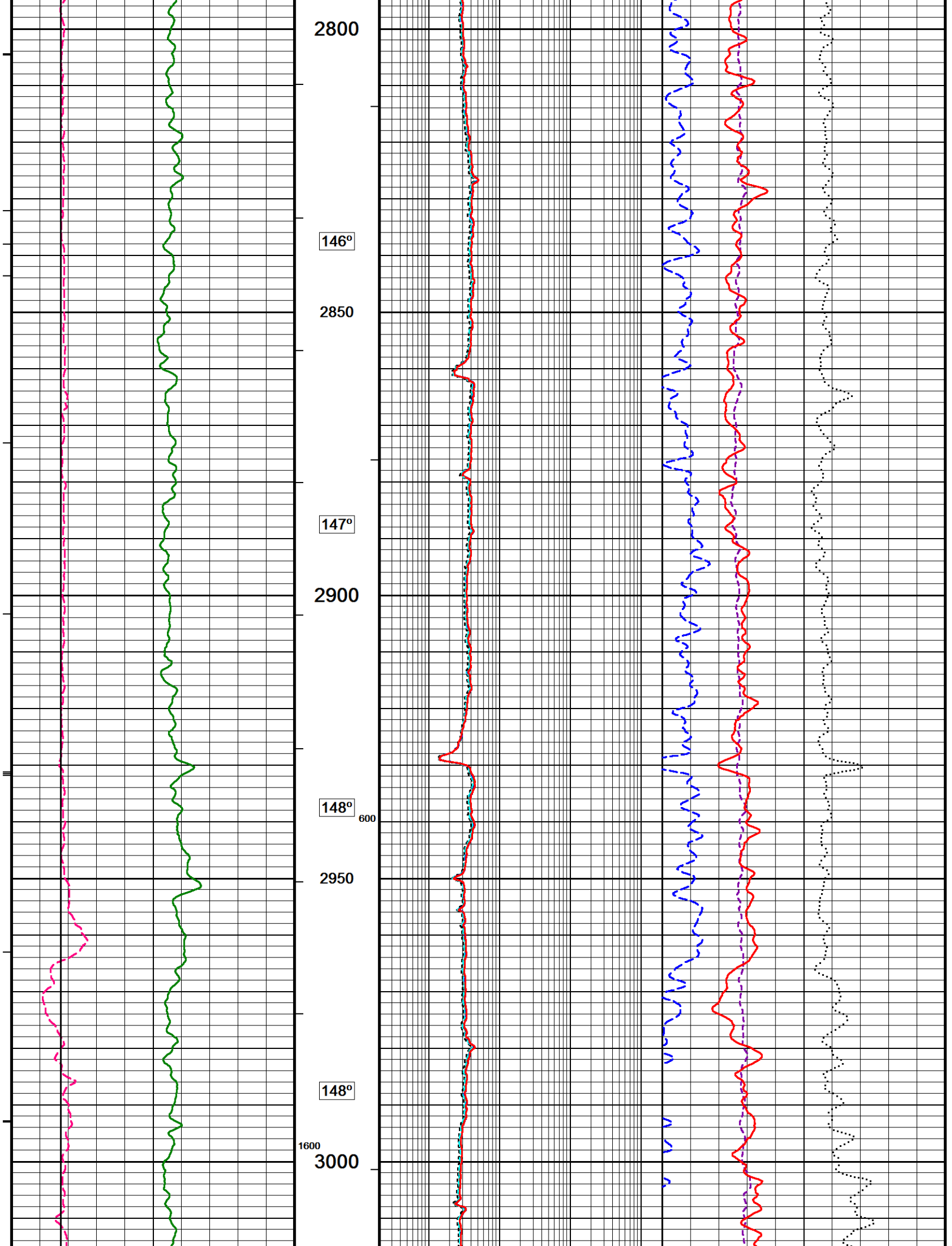


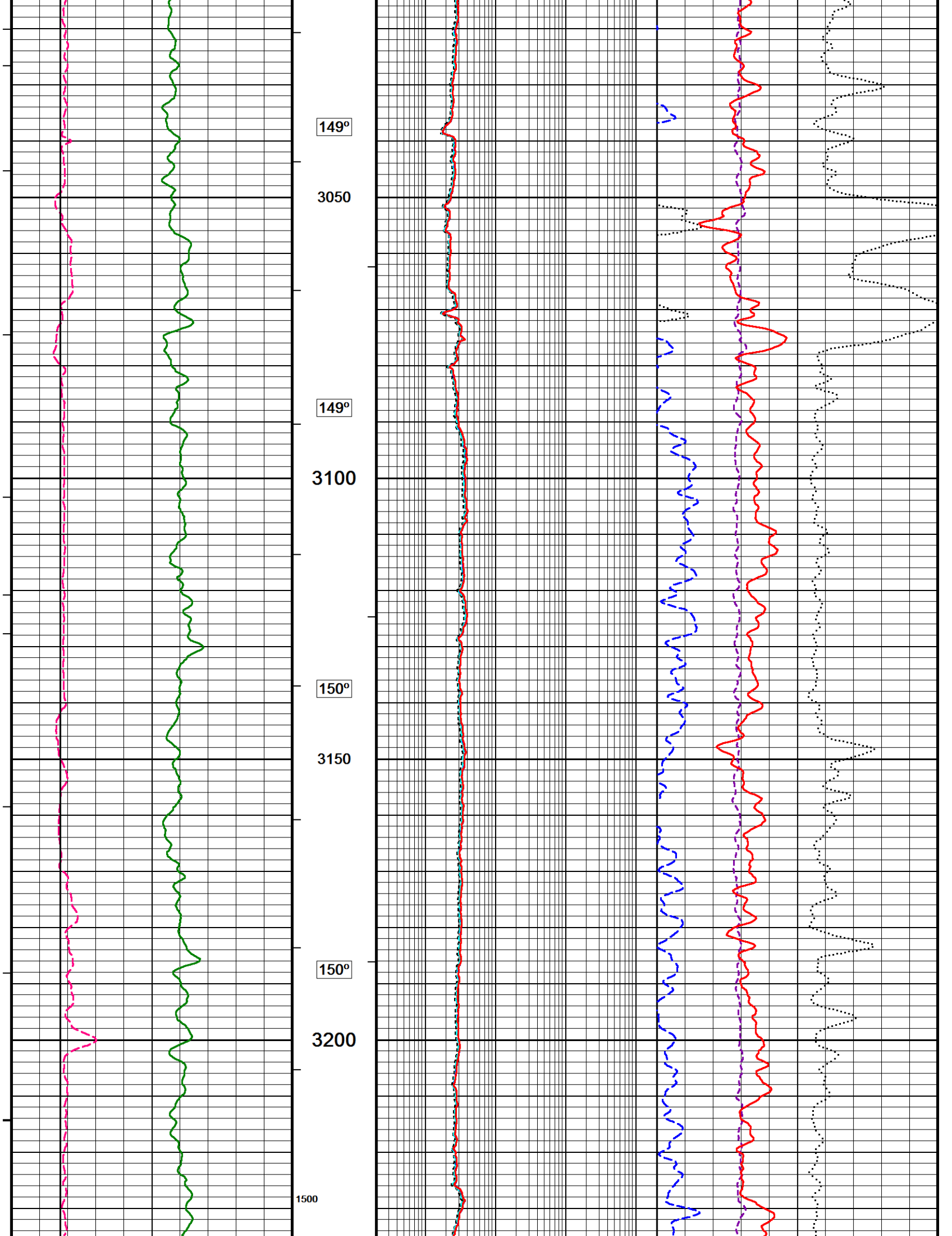


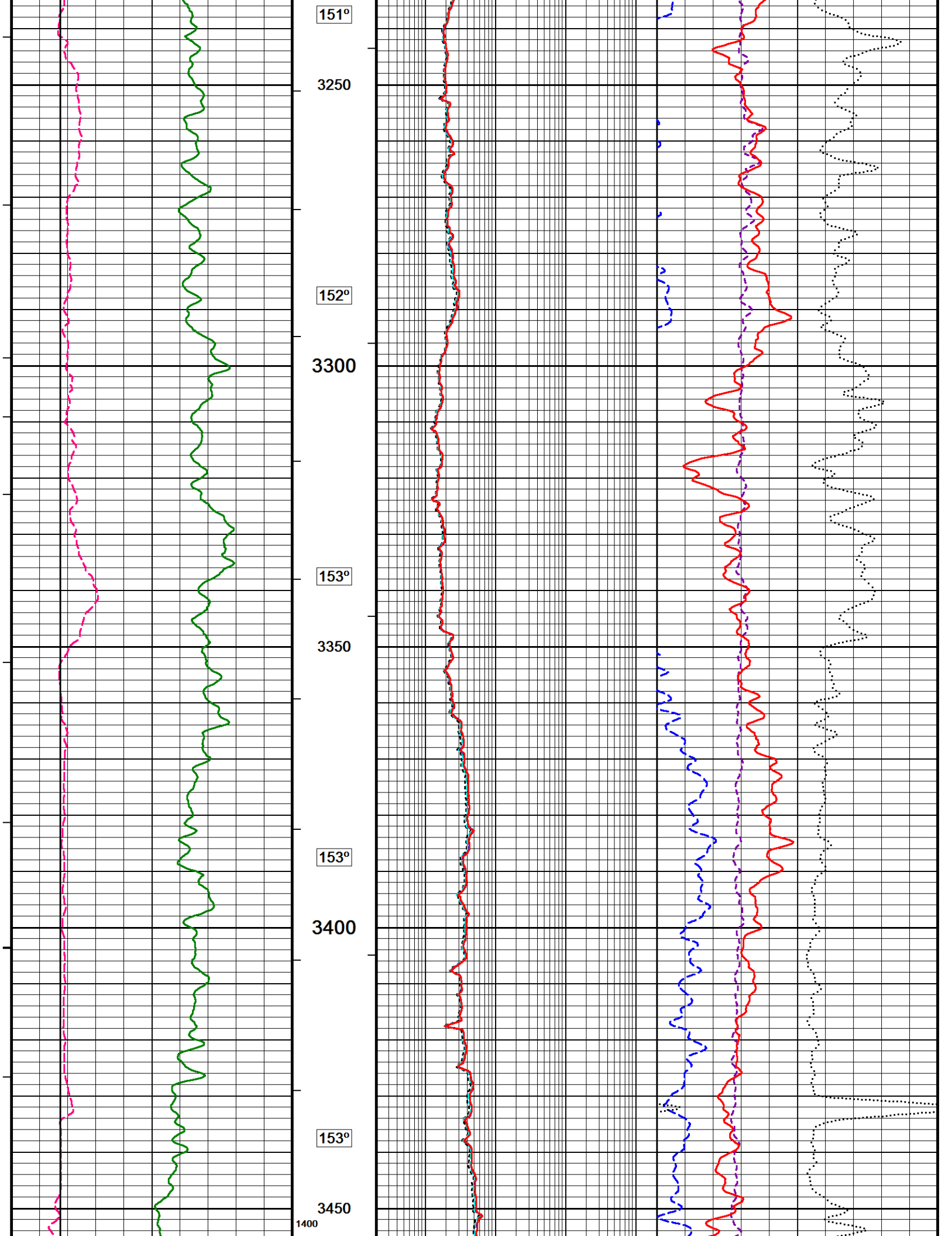


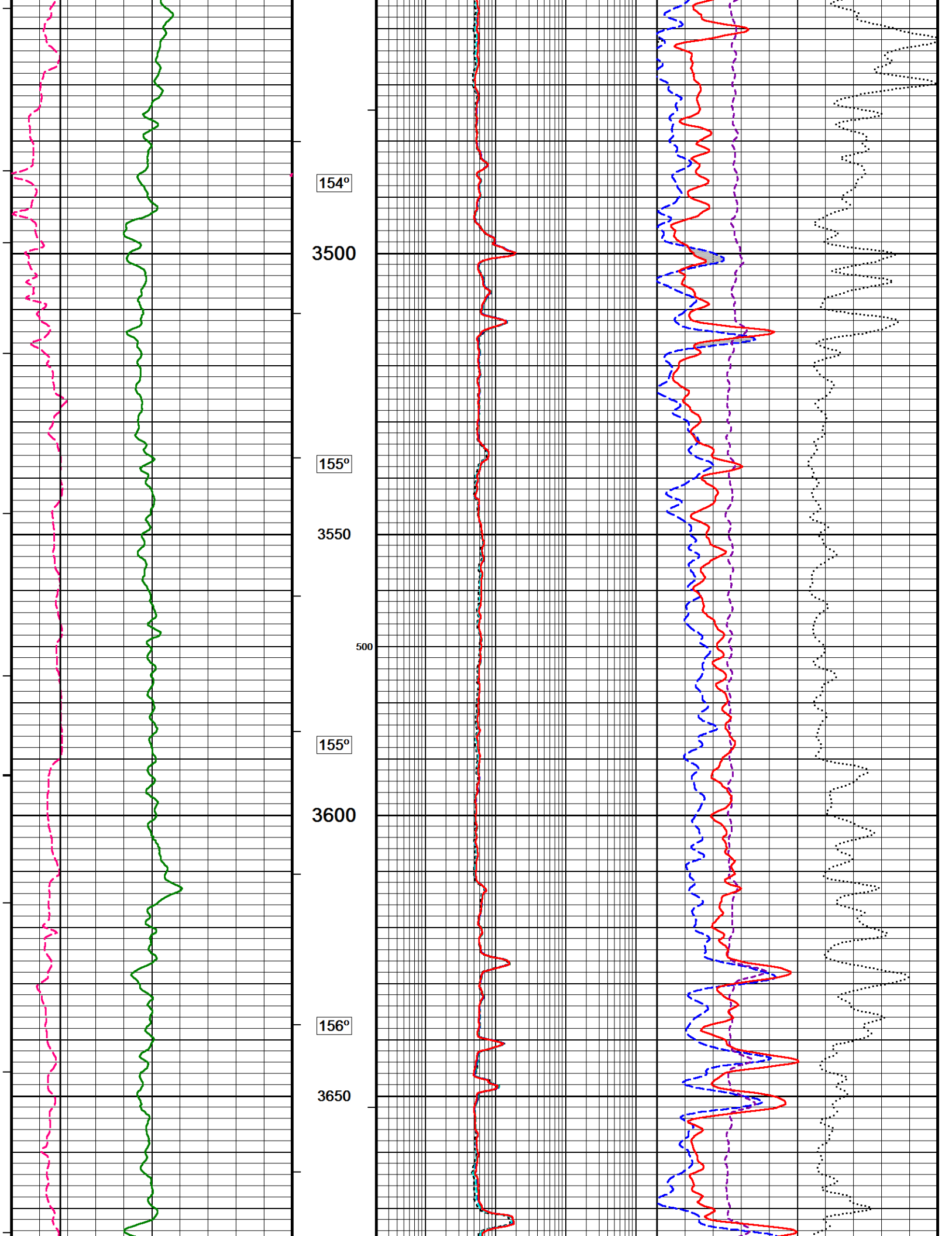


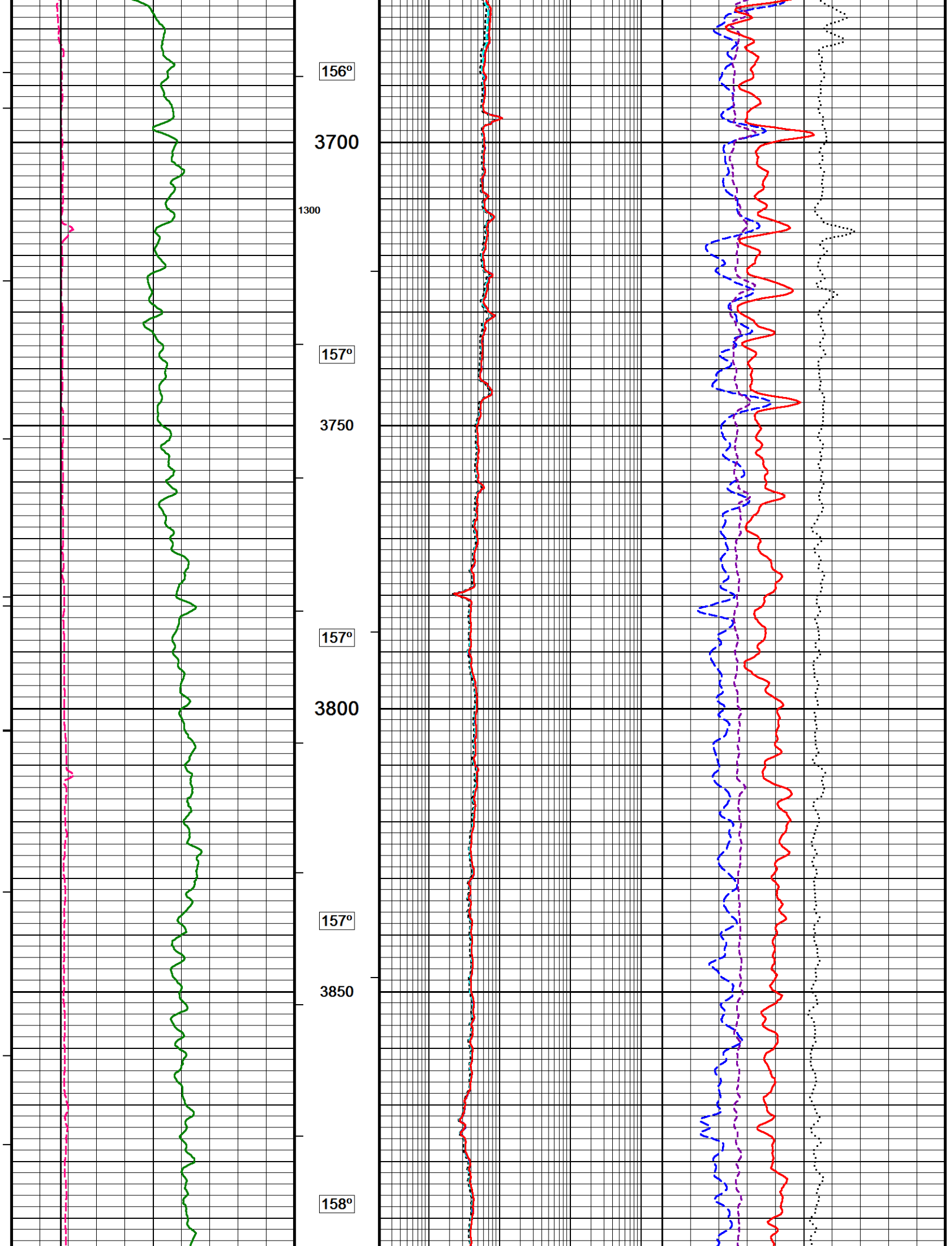


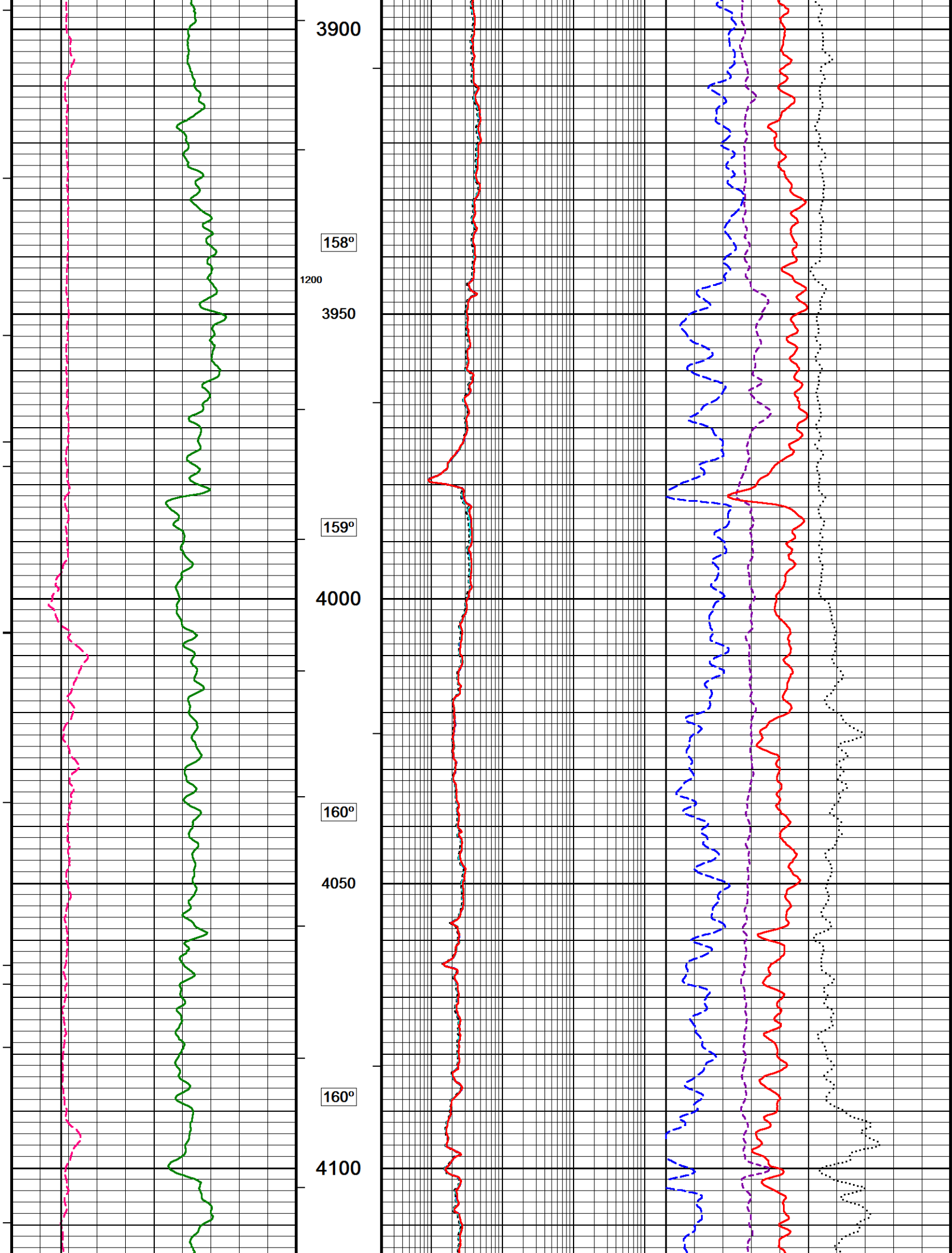


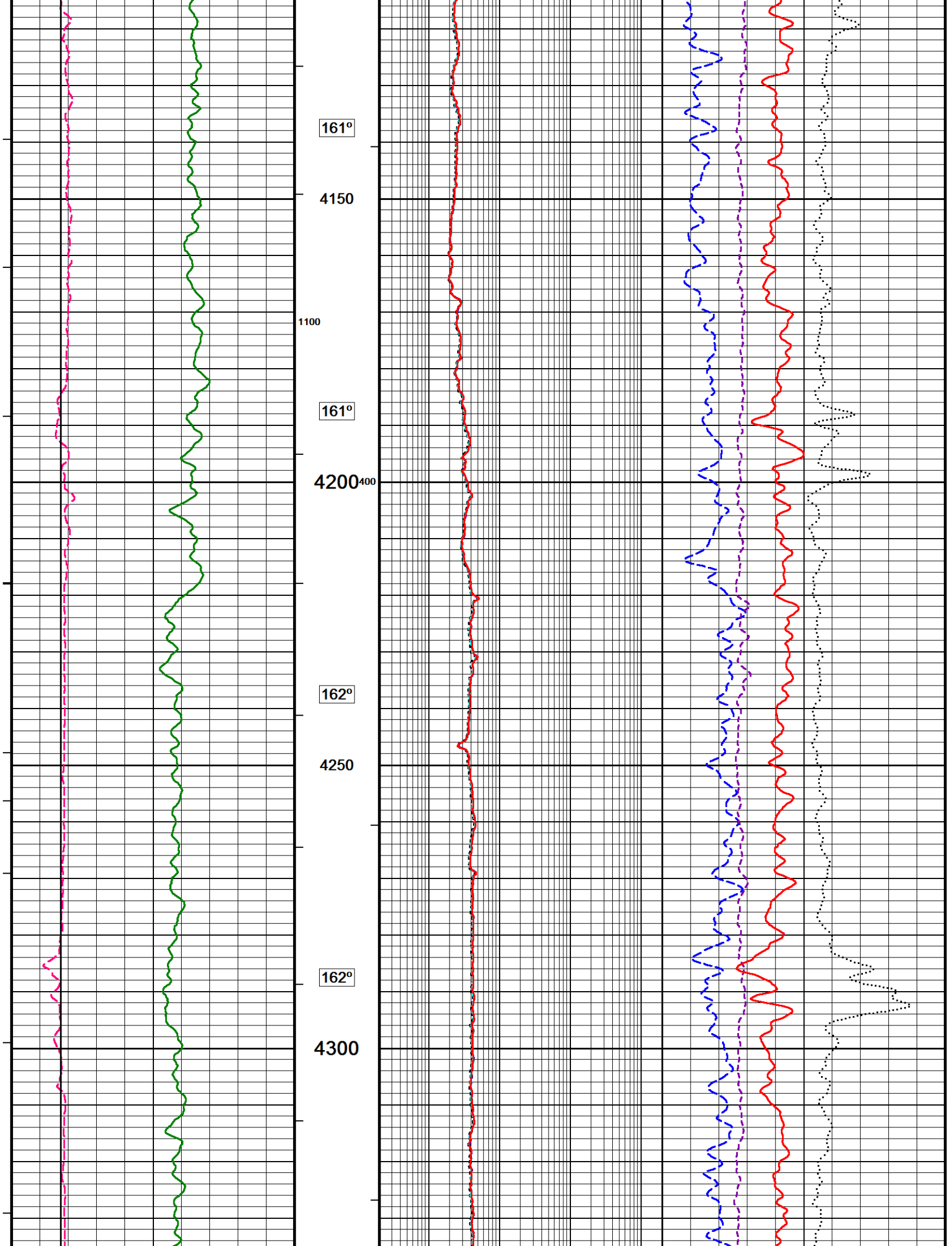


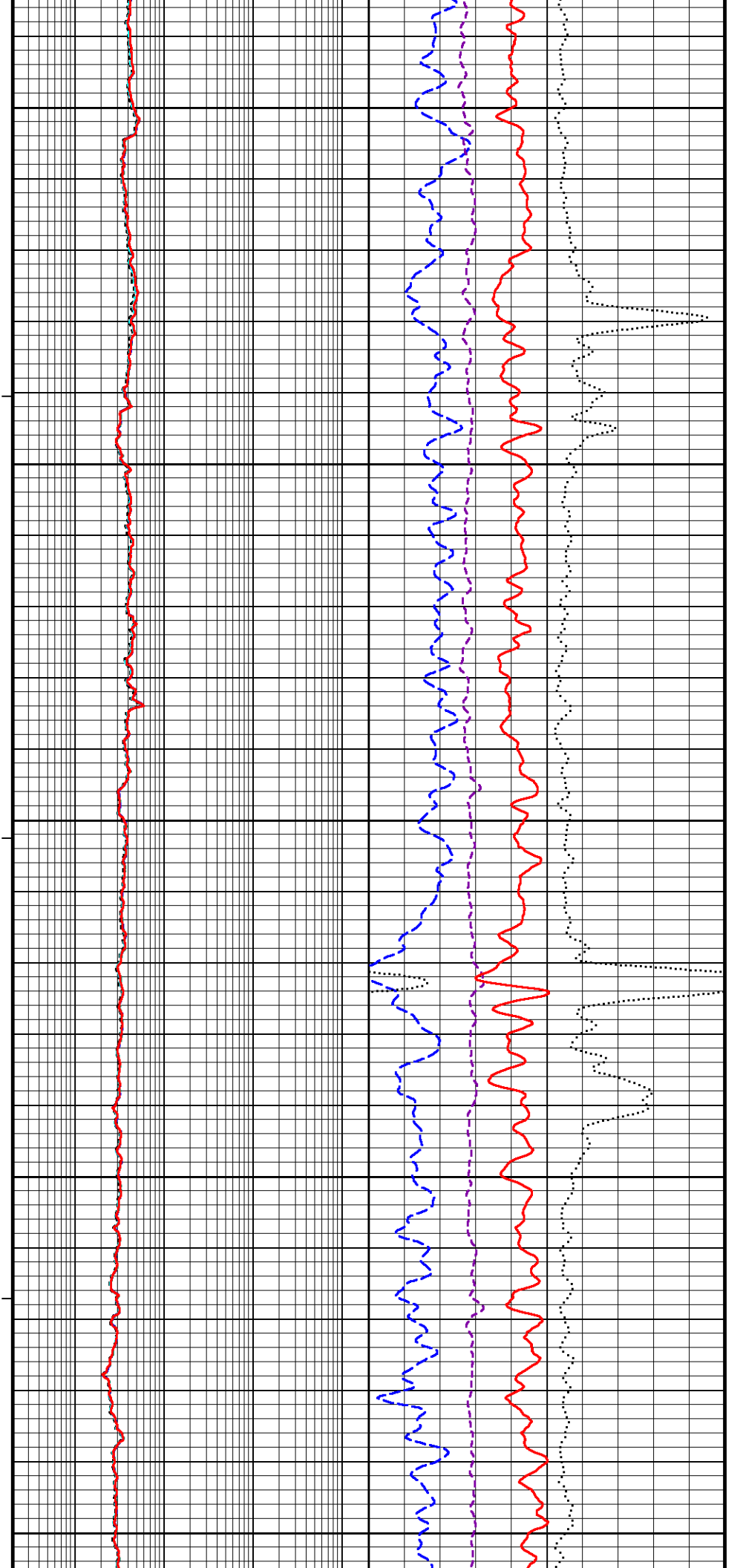
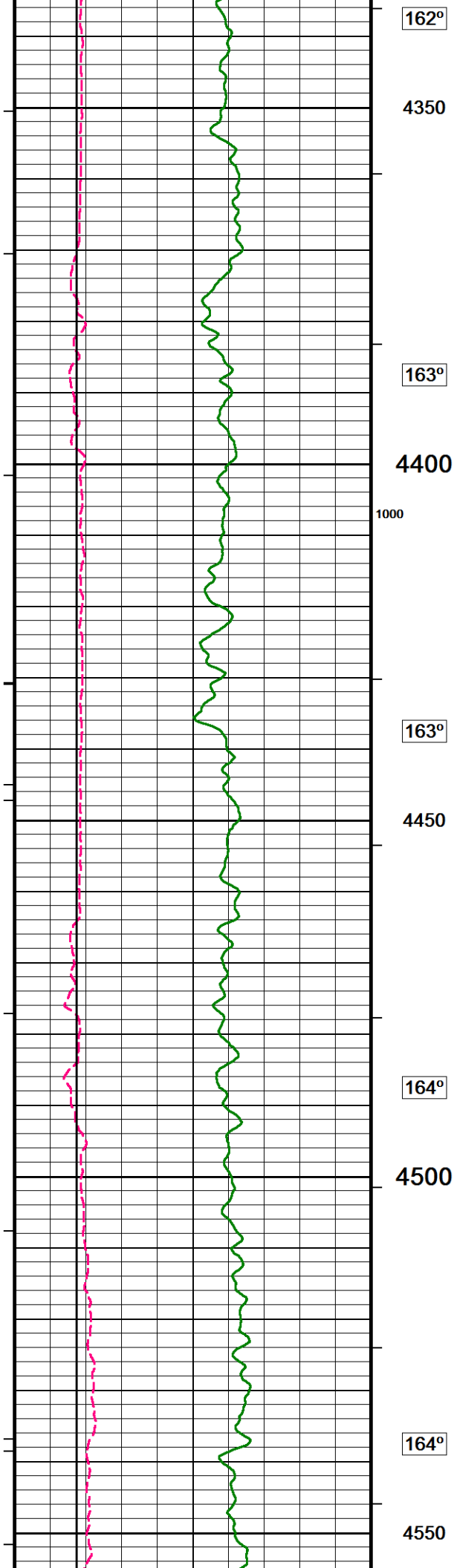


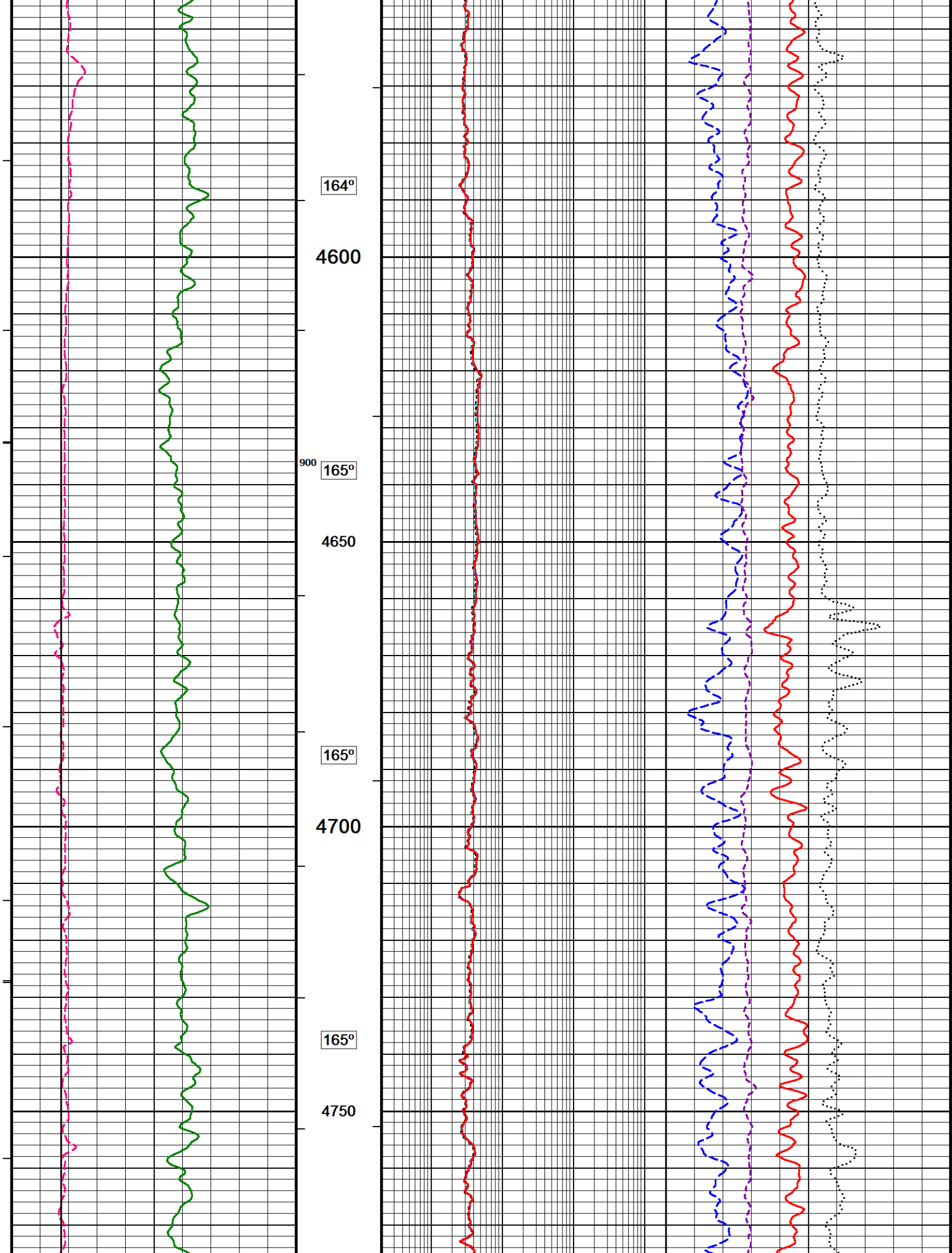


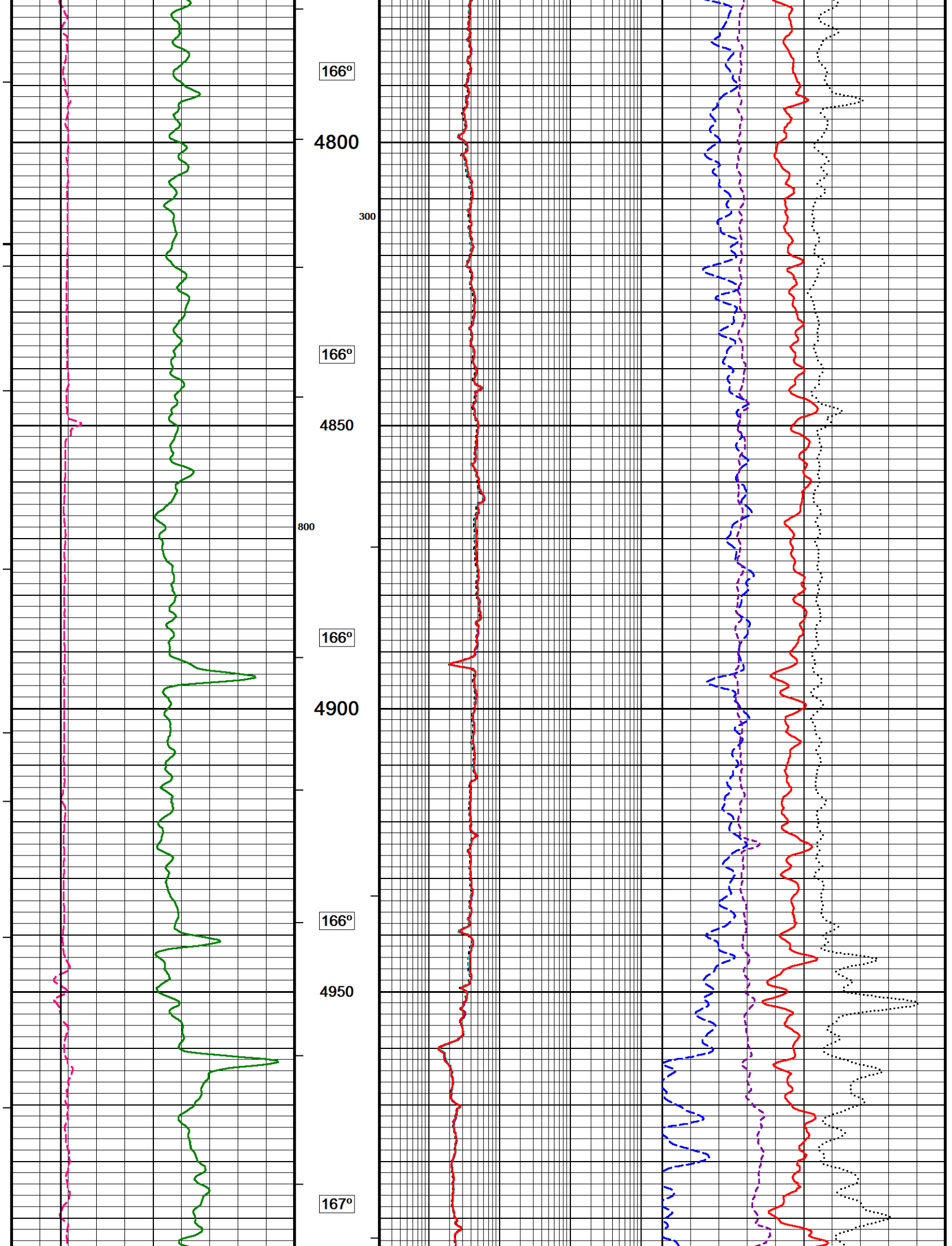


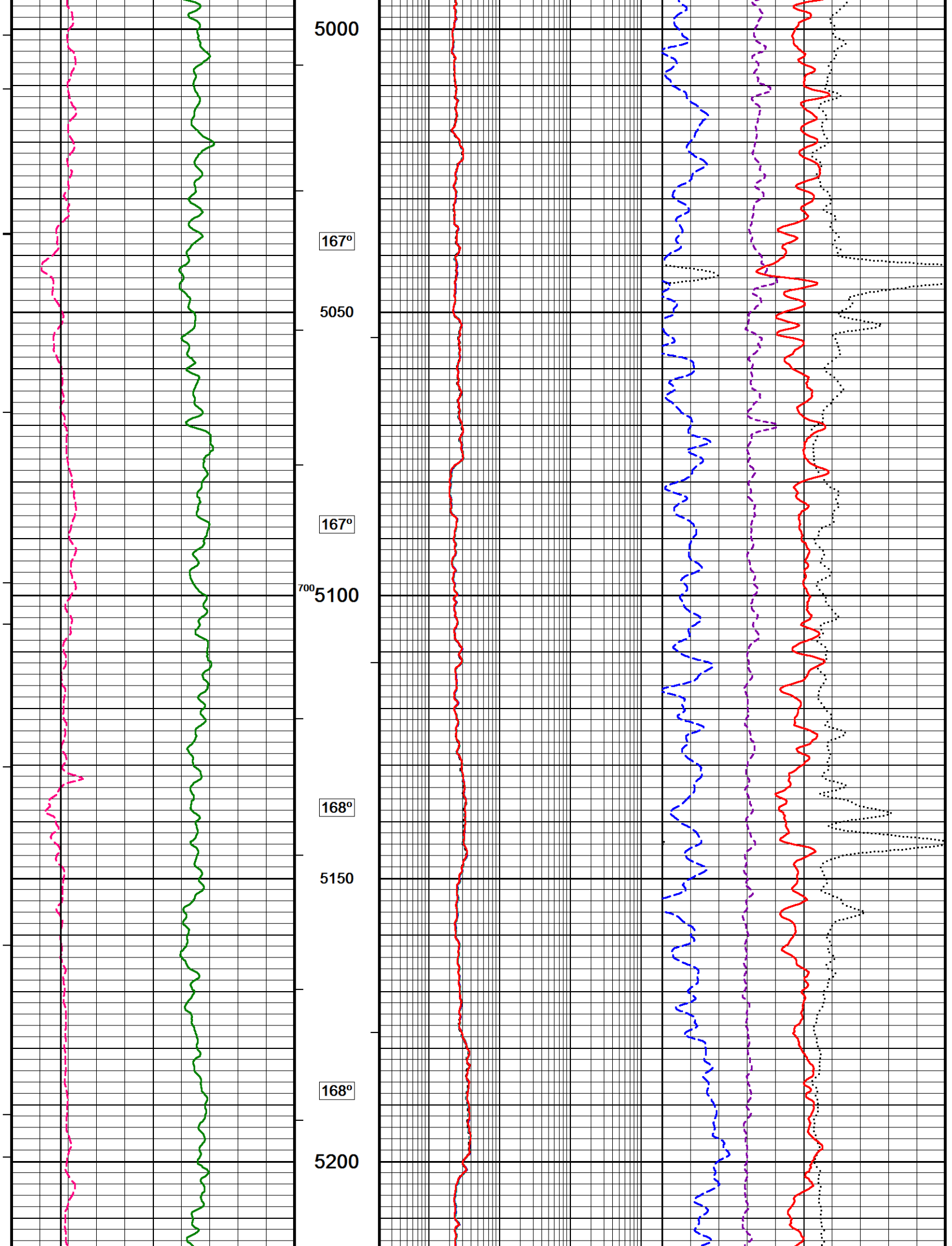


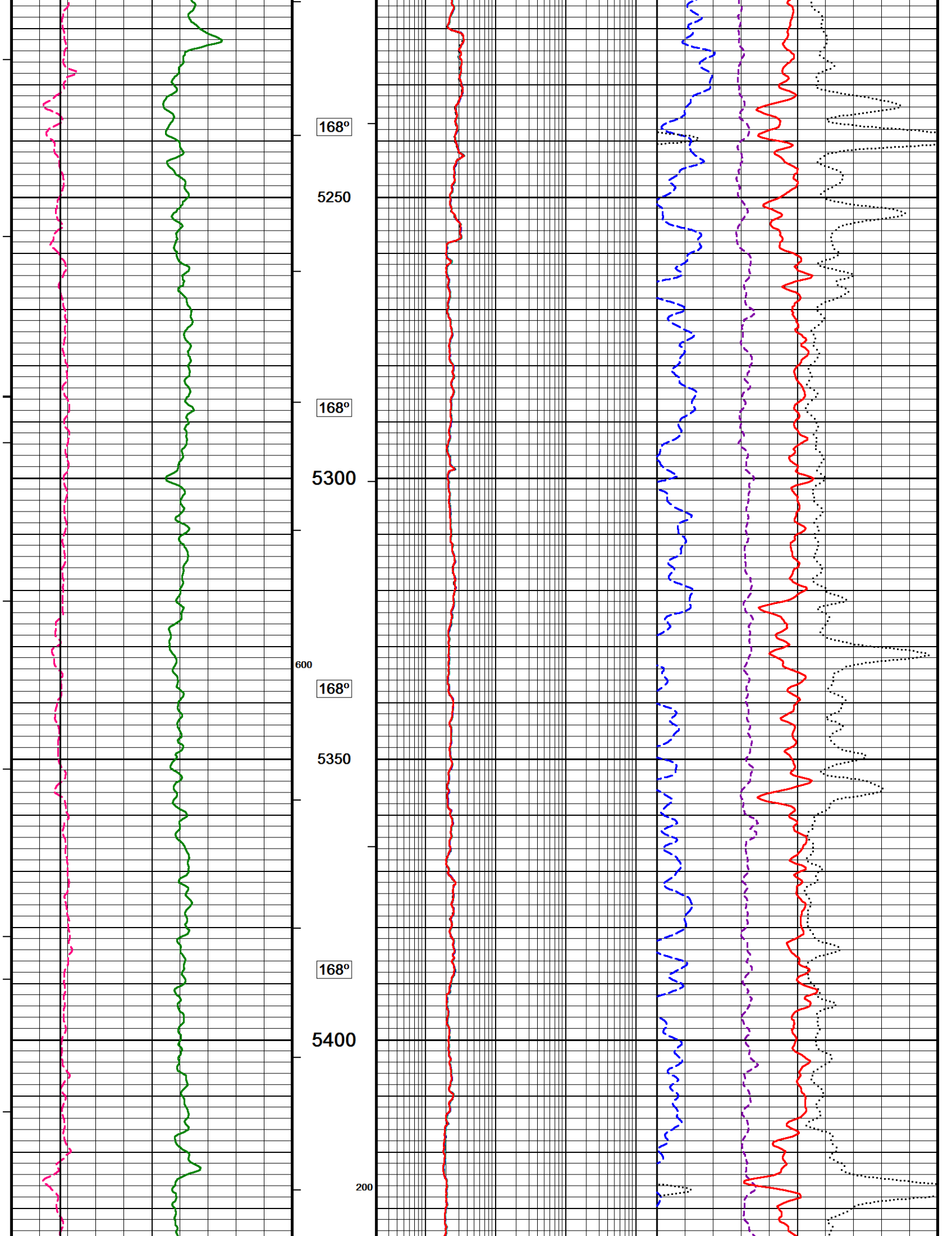


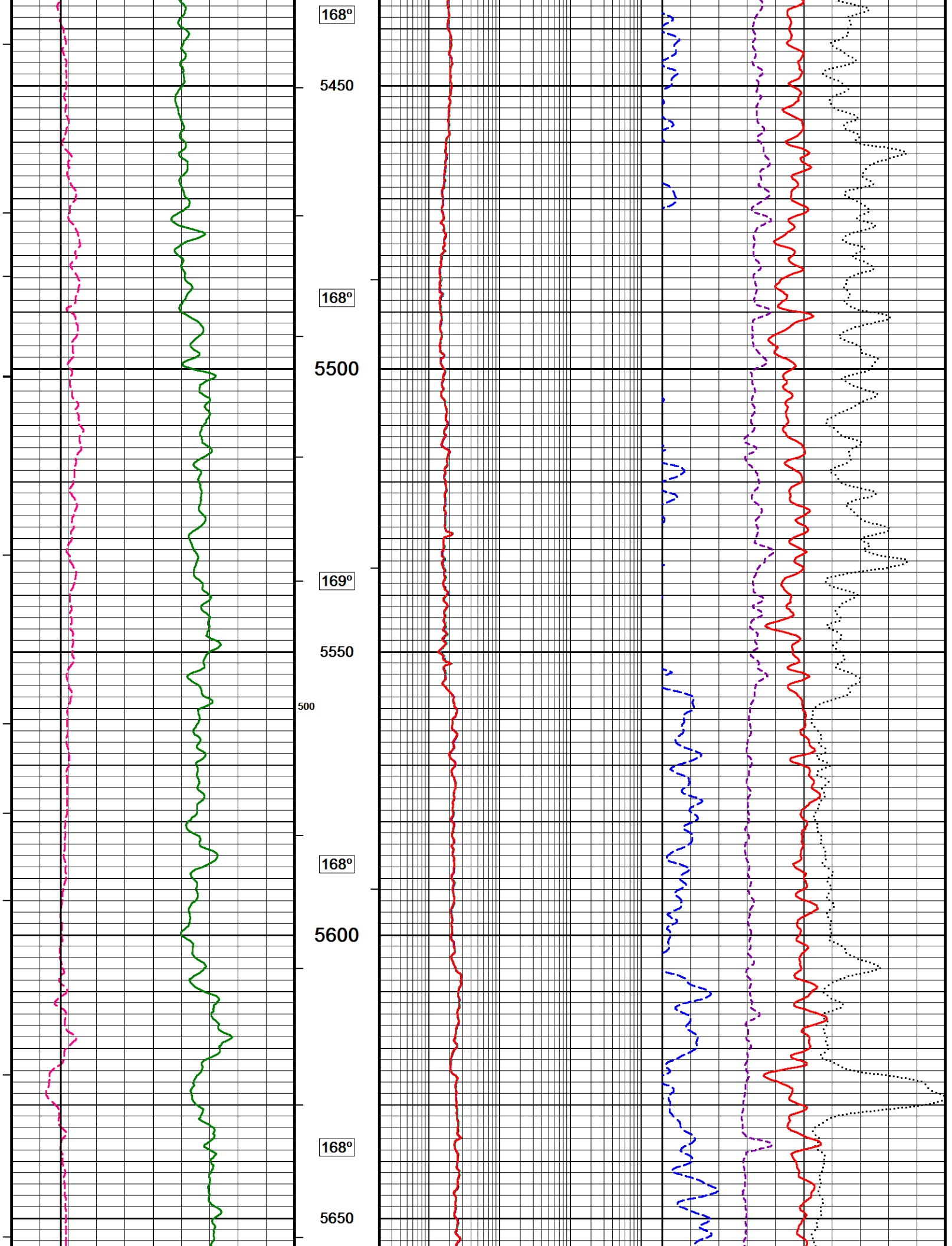


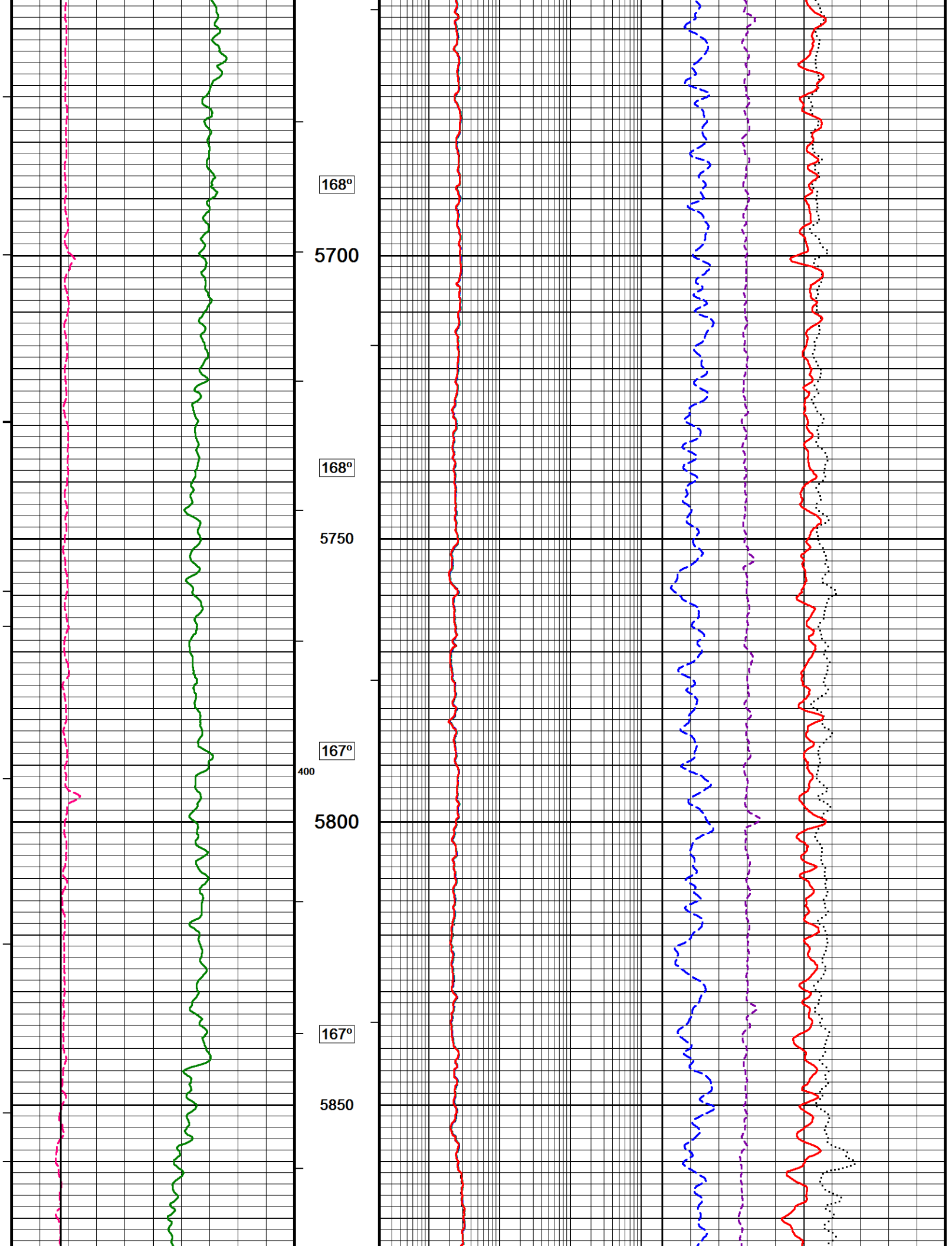


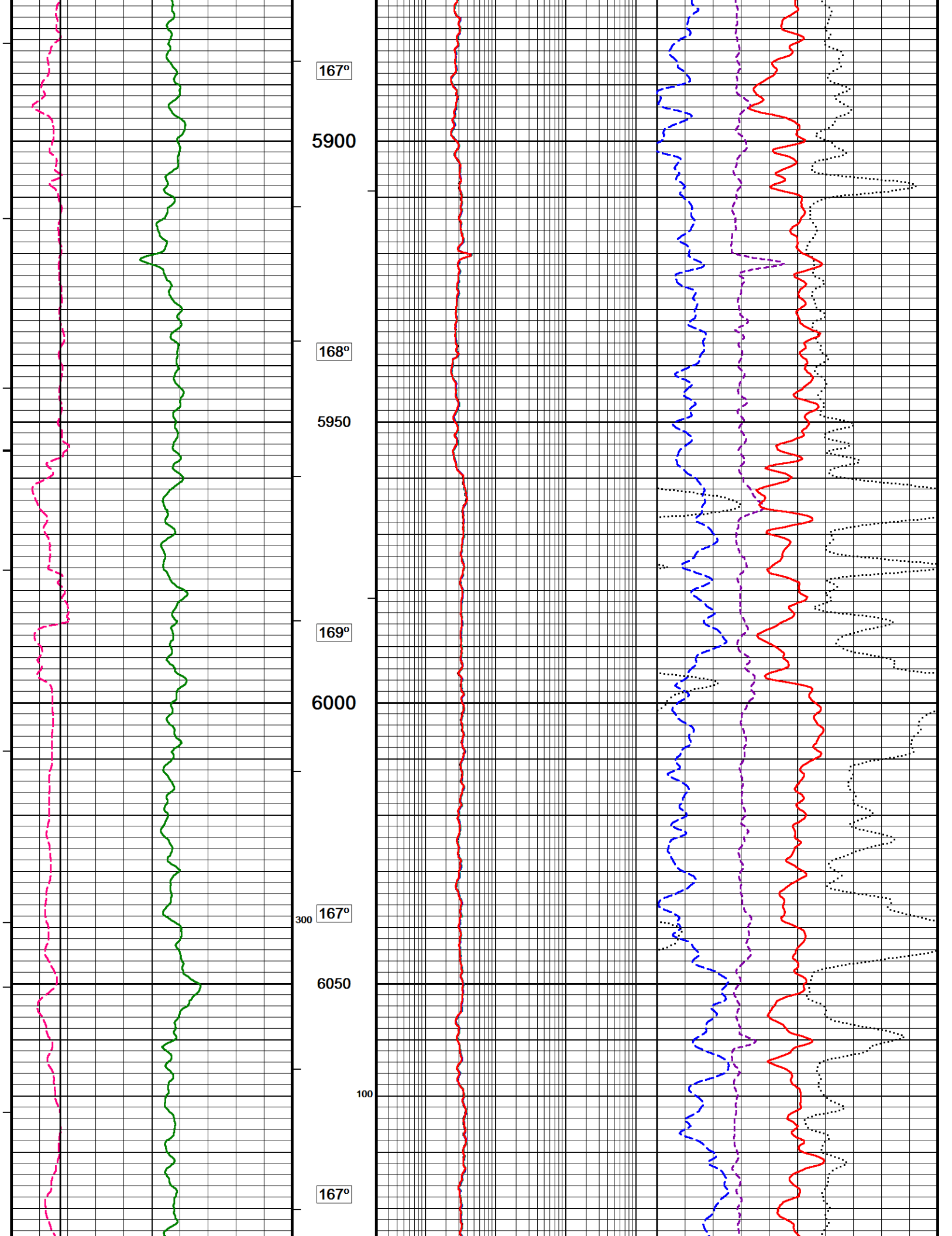


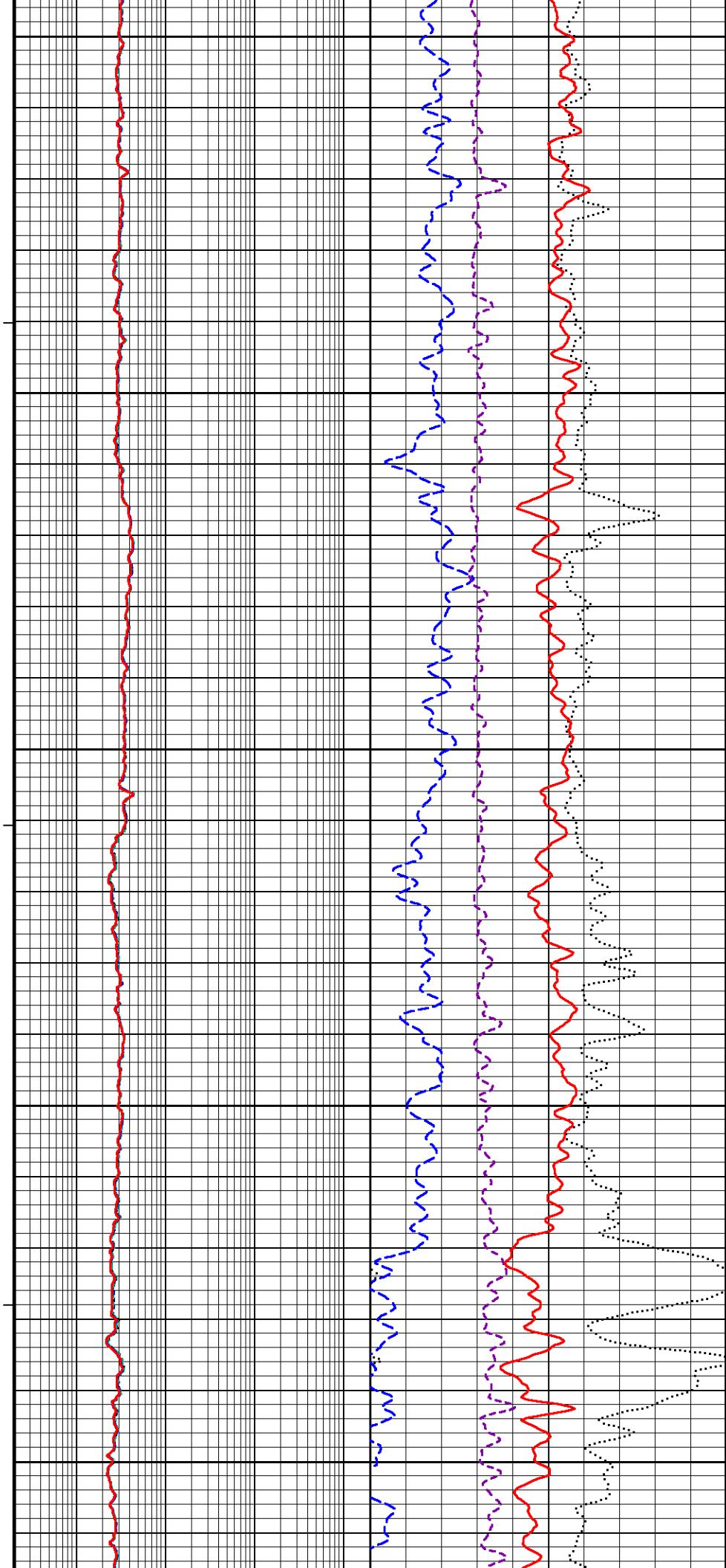
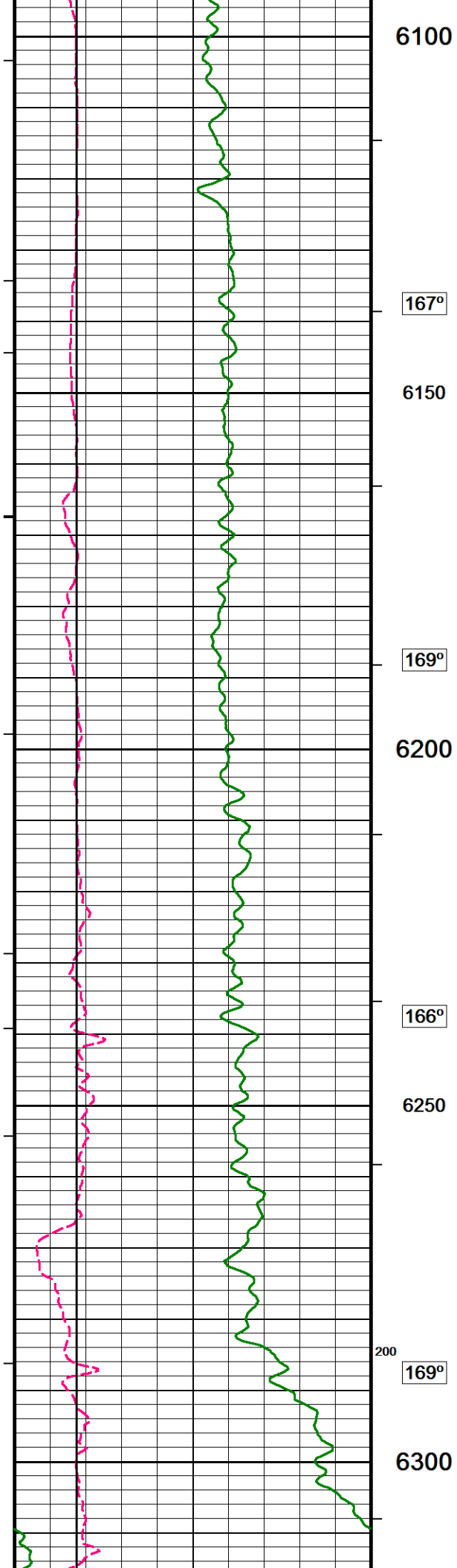


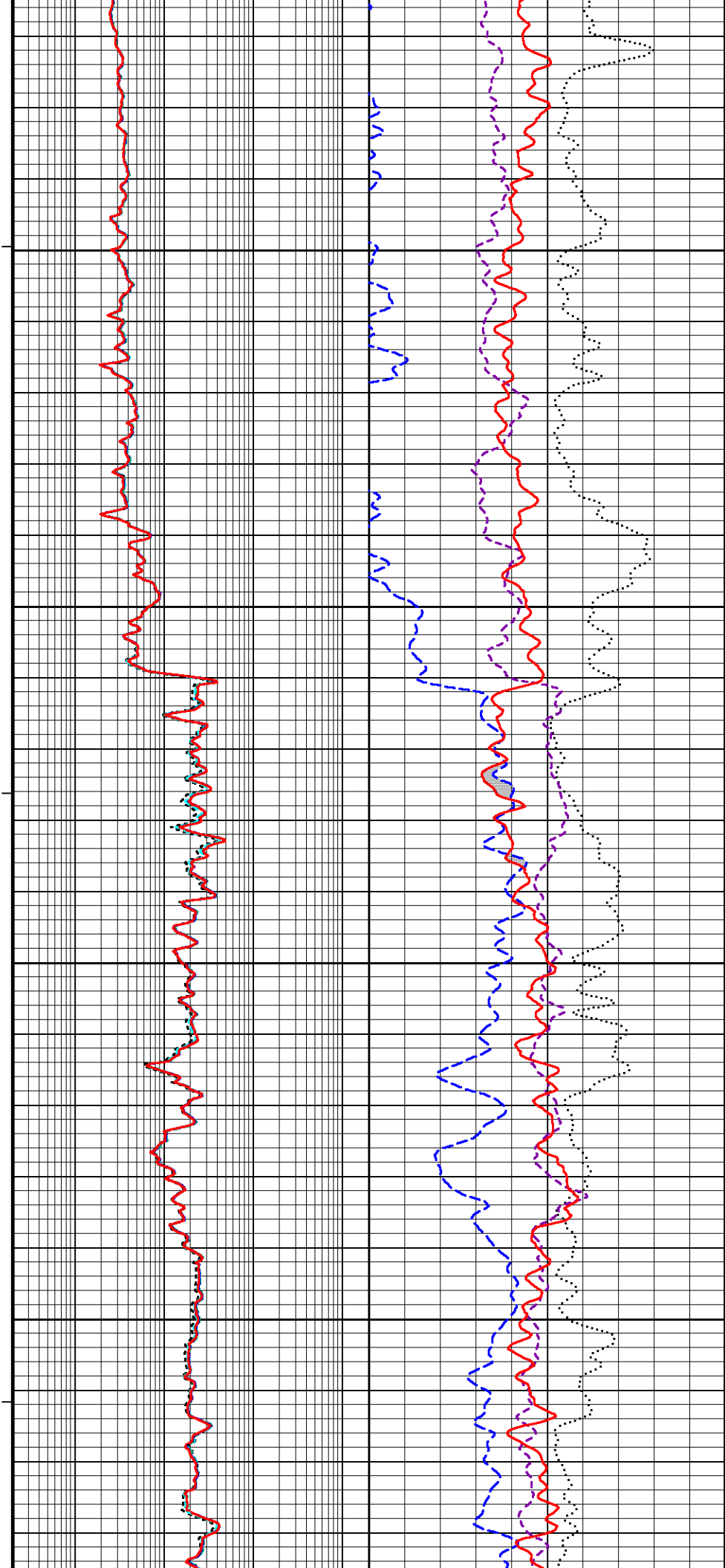
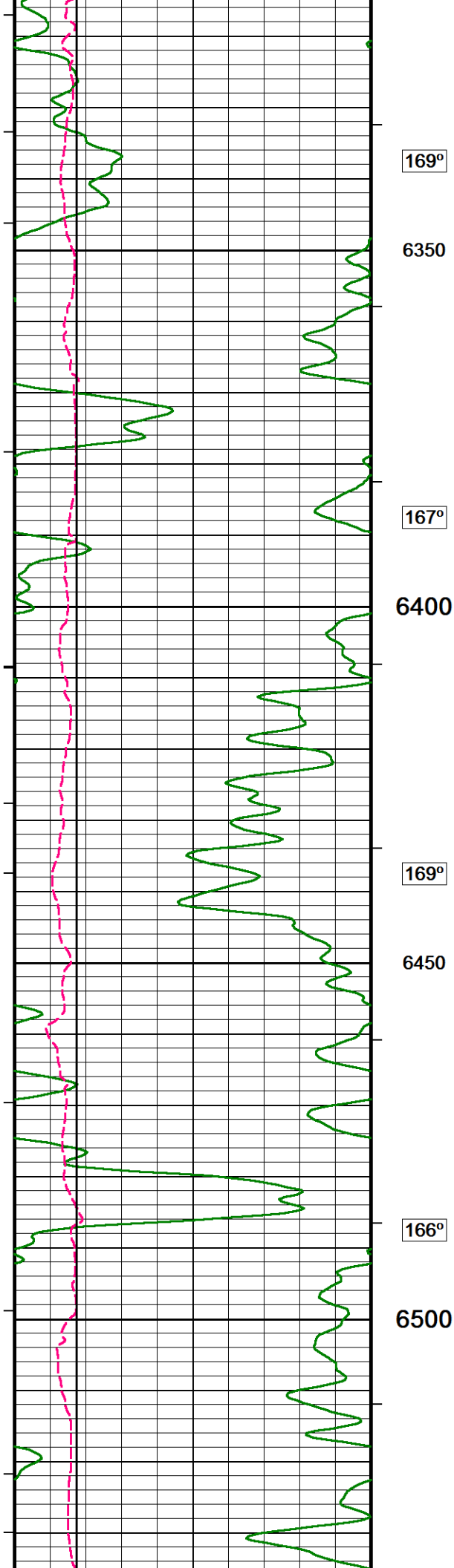


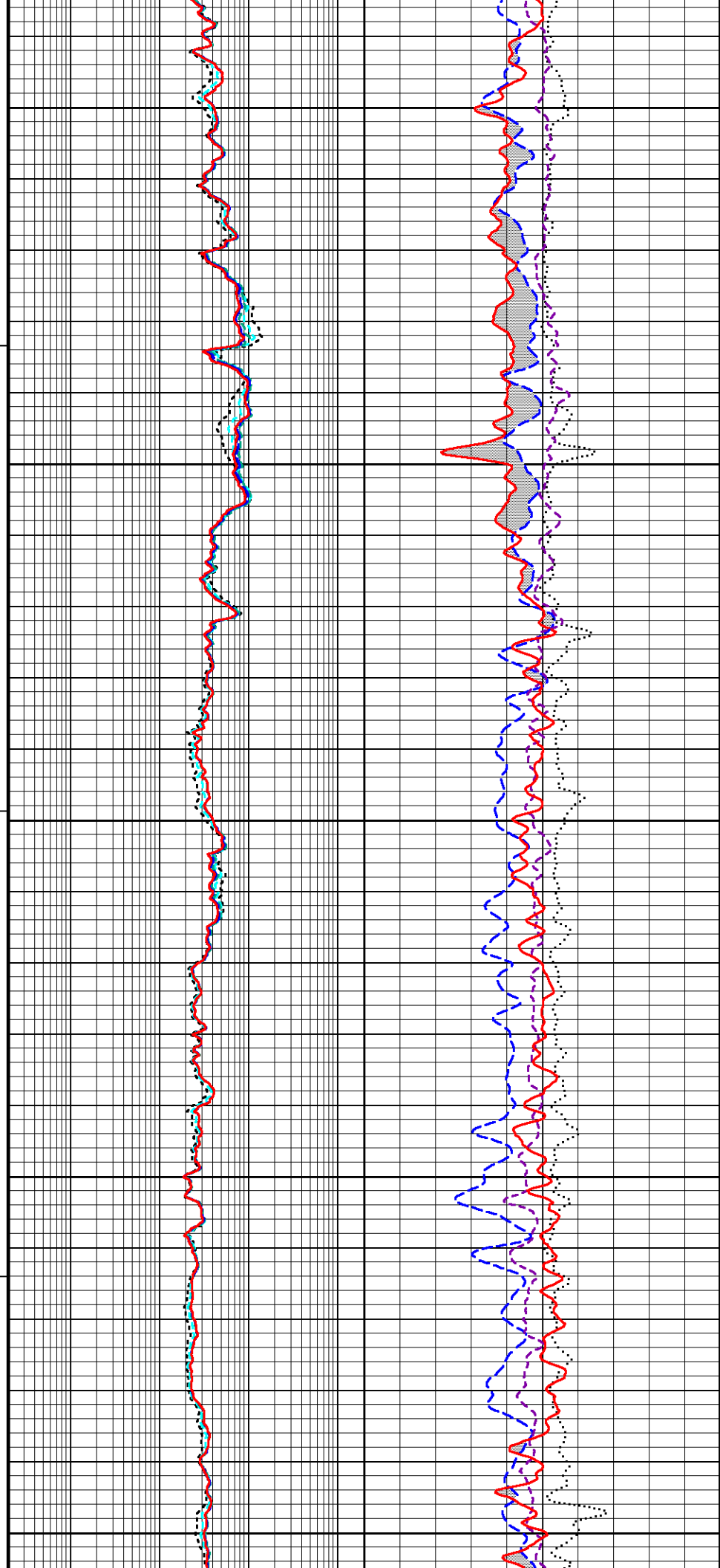
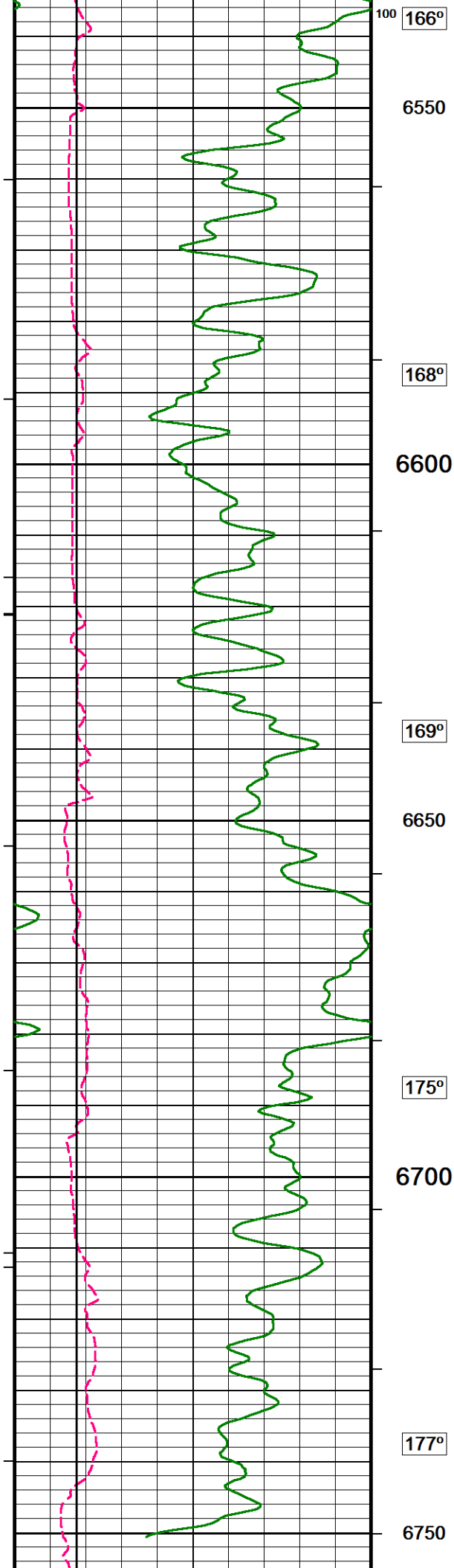


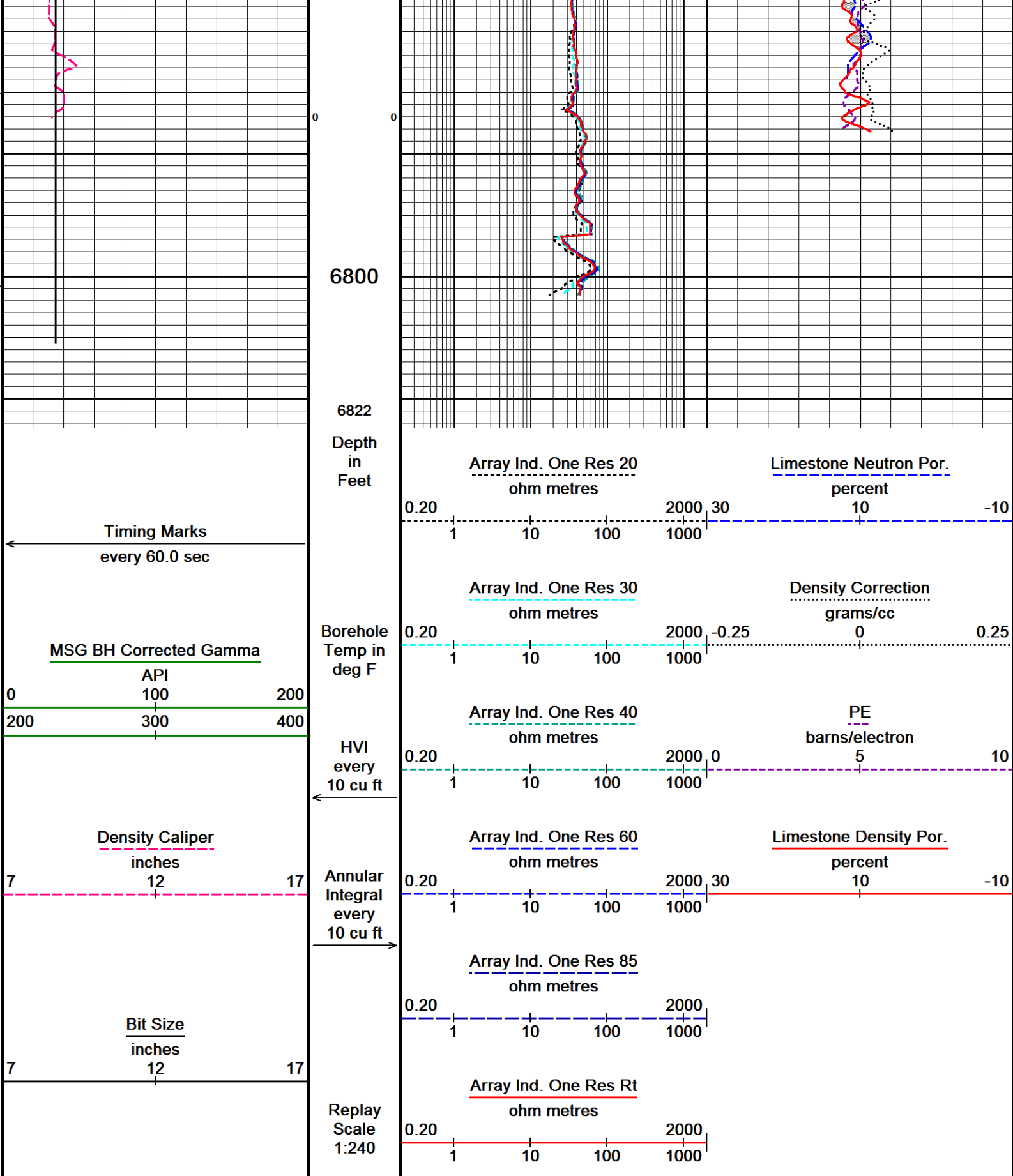












Depth Based Data - Maximum Sampling Increment 10.0cm

Filename: C:\Logs\Bill Barrett\Will 6-62-15-0461CH2\Will 6-62-16-0461CH2_Depth Main.dta

System Versions: Logged with 15.01.3109 Processed with 15.01.3109 Plotted with 15.01.3109

Plotted on 06-JUL-2015 09:27

Recorded on 06-JUL-2015 02:14

5 INCH MAIN LOG

BEFORE SURVEY CALIBRATION

General Constants All 000

Last Edited on 06-JUL-2015,02:48

General Parameters

| | | |
|-----------------------------|----------|------------|
| Mud Resistivity | 1.320 | ohm-metres |
| Mud Resistivity Temperature | 101.000 | degrees F |
| Water Level | 0.000 | feet |
| Borehole Fluid Processing | Wet Hole | |

Hole/Annular Volume and Differential Caliper Parameters

| | | |
|----------------------------------|-----------------|--------|
| HVOL Method | Single Caliper | |
| HVOL Caliper 1 | Density Caliper | |
| HVOL Caliper 2 | N/A | |
| Annular Volume Diameter | 7.000 | inches |
| Caliper for Differential Caliper | None | |

Rwa Parameters

| | |
|---------------------|-----------------------|
| Porosity used | Base Density Porosity |
| Resistivity used | Array Ind. One Res Rt |
| RWA Constant A | 0.610 |
| RWA Constant M | 2.150 |
| SW/APOR Tool Source | 0.000 |

High Resolution Temperature Calibration MGS-D.A 218

Field Calibration on 05-JUL-2015,09:57

| | | |
|-------|----------|-------------------|
| | Measured | Calibrated(Deg F) |
| Lower | 30.00 | 30.00 |
| Upper | 200.00 | 200.00 |

High Resolution Temperature Constants MGS-D.A 218

Last Edited on 05-JUL-2015,09:57

| | |
|-------------------|----|
| Pre-filter Length | 11 |
|-------------------|----|

Neutron Calibration MDN-B.J 376

Base Calibration on 29-MAY-2015 18:21

Field Check on 05-JUL-2015 10:52

Base Calibration

| | | | | |
|-------|----------|-----|------------------|-----|
| | Measured | | Calibrated (cps) | |
| | Near | Far | Near | Far |
| | 2882 | 90 | 3714 | 110 |
| Ratio | 31.914 | | 33.764 | |

Field Calibrator at Base

| | |
|-------|------------------|
| | Calibrated (cps) |
| | 2307 3372 |
| Ratio | 0.684 |

Field Check

| | |
|-------|------------------|
| | Calibrated (cps) |
| | 2315 3410 |
| Ratio | 0.679 |

Neutron Calibration Tolerances MDN-B.J 376

| | | | | | | | |
|--------------|--------|---|-----|-------------|----|---|-----|
| Near Reading | 2882 | <div> <div>-25%</div> <div>3500</div> <div>+25%</div> </div> | cps | Far Reading | 90 | <div> <div>-50%</div> <div>106</div> <div>+50%</div> </div> | cps |
| Ratio | 31.914 | <div> <div>-5%</div> <div>33</div> <div>+5%</div> </div> | | | | | |
| Base Check | 0.684 | <div> <div>0.65</div> <div>0.7</div> <div>0.75</div> </div> | | | | | |
| Field Check | 0.679 | <div> <div>0.664</div> <div>0.684</div> <div>0.704</div> </div> | | | | | |

Neutron Constants MDN-B.J 376

Last Edited on 06-JUL-2015,02:51

| | | |
|-------------------------------|-----------------|--------|
| Neutron Source Id | P44385B | |
| Neutron Jig Number | NJ5236 | |
| Air Hole Processing | Modified Ratio | |
| Caliper Source for Processing | Density Caliper | |
| Stand-off | 0.00 | inches |
| Mud Density | 1.00 | gm/cc |
| Limestone Sigma | 7.10 | cu |
| Sandstone Sigma | 7.00 | cu |
| Dolomite Sigma | 4.70 | cu |
| Formation Pressure Source | None | |

| | | |
|---------------------------------|-------------|-----------|
| Formation Pressure | N/A | ksi |
| Temperature Source | None | |
| Temperature | N/A | degrees F |
| Mud Salinity | 0.00 | kppm |
| Salinity Correction | Not Applied | |
| Formation Fluid Salinity Source | None | |
| Formation Fluid Salinity | N/A | kppm |
| Barite Mud Correction | Not Applied | |

Induction Calibration MAI-B.J 375

Base Calibration on 29-MAY-2015,09:35
Field Check on 05-JUL-2015 10:20

Base Calibration

Test Loop Calibration

| Channel | Measured | | Calibrated (mmho/m) | |
|---------|----------|-------|---------------------|-------|
| | Low | High | Low | High |
| 1 | 17.2 | 476.3 | 9.3 | 966.2 |
| 2 | 6.0 | 379.5 | 7.6 | 821.4 |
| 3 | 3.1 | 258.6 | 5.2 | 566.0 |
| 4 | 1.5 | 131.2 | 2.6 | 279.2 |

Array Temperature 74.3 Deg F

Test Loop Calibration Verified

| Channel | Base Check (mmho/m) | | Field Check (mmho/m) | |
|---------|---------------------|--------|----------------------|--------|
| | Low | High | Low | High |
| 1 | 14.3 | 3801.9 | 14.4 | 3801.8 |
| 2 | 30.8 | 3539.9 | 30.9 | 3539.9 |
| 3 | 29.5 | 3047.3 | 29.5 | 3047.3 |
| 4 | 20.5 | 2095.1 | 20.5 | 2095.1 |
| Deep | 18.6 | 1992.2 | 18.7 | 1992.2 |
| Medium | 42.5 | 4009.5 | 42.5 | 4009.5 |
| Shallow | 45.3 | 5228.0 | 45.3 | 5228.0 |

Array Temperature 96.4 97.1 Deg F

Induction Calibration Tolerances MAI-B.J 375

| | | | | | | |
|--------------------|------|--|----------------------------|-------|--|--------|
| Low Conductivity 1 | 17.2 | | mmho/m High Conductivity 1 | 476.3 | | mmho/m |
| Low Conductivity 2 | 6.0 | | mmho/m High Conductivity 2 | 379.5 | | mmho/m |
| Low Conductivity 3 | 3.1 | | mmho/m High Conductivity 3 | 258.6 | | mmho/m |
| Low Conductivity 4 | 1.5 | | mmho/m High Conductivity 4 | 131.2 | | mmho/m |
| Background Vx 1 | 0.0 | | mmho/m Phase Check Loop 1 | 0.0 | | % |
| Background Vx 2 | 0.0 | | mmho/m Phase Check Loop 2 | 0.0 | | % |
| Background Vx 3 | 0.0 | | mmho/m Phase Check Loop 3 | 0.0 | | % |
| Background Vx 4 | 0.0 | | mmho/m Phase Check Loop 4 | 0.0 | | % |

Induction Constants MAI-B.J 375

Last Edited on 06-JUL-2015,02:52

Induction Model

RtAP-WBM

Borehole Correction Constants

| | | |
|-----------------------------|-------------------------------------|---------|
| Tool Centred | No | |
| Hole Size Source | Density Caliper | |
| Hole Size Constant Value | N/A | inches |
| Stand-off Type | Fins | |
| Stand-off | 0.50 | inches |
| Number of Fins on Stand-off | 6.0000 | |
| Stand-off Fin Angle | 60.00 | degrees |
| Stand-off Fin Width | 0.5000 | inches |
| Rm Source | Global Value: Temperature Corrected | |
| Temp. for Rm Corr. | MGS External Temperature | |

| | | |
|-----------------|--------|------------|
| Squasher Start | 0.0020 | mhos/metre |
| Squasher Offset | N/A | mhos/metre |

Borehole Normalisation

| | | | |
|------|--------|------|--------|
| DRM1 | 0.0000 | DRC1 | 0.0000 |
| DRM2 | 0.0000 | DRC2 | 0.0000 |

| | | | |
|------|--------|------|--------|
| MRM1 | 0.0000 | MRC1 | 0.0000 |
| MRM2 | 0.0000 | MRC2 | 0.0000 |
| SRM1 | 0.0000 | SRC1 | 0.0000 |
| SRM2 | 0.0000 | SRC2 | 0.0000 |

Calibration Site Corrections

| | | |
|-----------|------|-------------|
| Channel 1 | 0.00 | mmhos/metre |
| Channel 2 | 0.00 | mmhos/metre |
| Channel 3 | 0.00 | mmhos/metre |
| Channel 4 | 0.00 | mmhos/metre |

Apparent Porosity and Water Saturation Constants

| | | |
|--------------------------------------|--------|---------|
| Archie Constant (A) | 1.00 | |
| Cementation Exponent (M) | 2.00 | |
| Saturation Exponent (N) | 2.00 | |
| Saturation of Water for Apor | 100.00 | percent |
| Resistivity of Water for Apor and Sw | 0.05 | ohm-m |
| Resistivity of Mud Filtrate for Sw | 0.00 | ohm-m |
| Source for Rt | 0.00 | |
| Source for Rxo | 0.00 | |

Compact Spectral Gamma Calibration MSG-A.A 112

Base Calibration on 21-JUN-2015 14:54

Field Calibration on 05-JUL-2015 09:56

Base Calibration

Gamma Ray

| | Measured | Calibrated (API) |
|--------------------|----------|------------------|
| Background | 67 | 29 |
| Calibrator (Gross) | 691 | 301 |
| Calibrator (Net) | 623 | 271 |

Mixture Calibrator

| | Gate 1 | Gate 2 | Gate 3 | Gate 4 | Gate 5 |
|--------------------|--------|--------|--------|--------|--------|
| Background | 54.8 | 8.7 | 2.3 | 0.6 | 1.0 |
| Calibrator (Gross) | 548.6 | 96.0 | 28.3 | 7.8 | 10.0 |
| Calibrator (Net) | 493.8 | 87.3 | 25.9 | 7.1 | 8.9 |

| | | | |
|----------------|-----|-------|--------|
| | K % | U ppm | Th ppm |
| Concentrations | 5.9 | 13.6 | 43.7 |

Potassium Calibrator

| | Gate 1 | Gate 2 | Gate 3 | Gate 4 | Gate 5 |
|--------------------|--------|--------|--------|--------|--------|
| Background | 54.8 | 8.7 | 2.3 | 0.6 | 1.0 |
| Calibrator (Gross) | 129.3 | 38.3 | 15.9 | 0.6 | 1.0 |
| Calibrator (Net) | 74.5 | 29.6 | 13.6 | 0.0 | -0.0 |

| | | | |
|----------------|-----|-------|--------|
| | K % | U ppm | Th ppm |
| Concentrations | 5.9 | 0.0 | 0.0 |

Uranium Calibrator

| | Gate 1 | Gate 2 | Gate 3 | Gate 4 | Gate 5 |
|--------------------|--------|--------|--------|--------|--------|
| Background | 54.8 | 8.7 | 2.3 | 0.6 | 1.0 |
| Calibrator (Gross) | 335.2 | 46.7 | 11.1 | 5.5 | 2.7 |
| Calibrator (Net) | 280.4 | 38.1 | 8.8 | 4.9 | 1.6 |

| | | | |
|----------------|-----|-------|--------|
| | K % | U ppm | Th ppm |
| Concentrations | 0.0 | 17.8 | 0.0 |

Thorium Calibrator

| | Gate 1 | Gate 2 | Gate 3 | Gate 4 | Gate 5 |
|--------------------|--------|--------|--------|--------|--------|
| Background | 54.8 | 8.7 | 2.3 | 0.6 | 1.0 |
| Calibrator (Gross) | 254.8 | 36.7 | 7.6 | 3.8 | 8.8 |
| Calibrator (Net) | 200.0 | 28.0 | 5.3 | 3.1 | 7.8 |

| | | | |
|----------------|-----|-------|--------|
| | K % | U ppm | Th ppm |
| Concentrations | 0.0 | 0.0 | 46.3 |

Field @ Base Calibration

| | |
|------------------------------|---------|
| Calibration Type | SG Jigs |
| SGB Calibrator Serial Number | 440 |
| SGM Calibrator Serial Number | 450 |

Gamma Ray

| | Measured | Calibrated (API) |
|------------|----------|------------------|
| Background | 66 | 29 |

| | | |
|--------------------|-----|-----|
| Background | 00 | 29 |
| Calibrator (Gross) | 692 | 300 |
| Calibrator (Net) | 626 | 271 |

Mixture Calibrator

| | Gate 1 | Gate 2 | Gate 3 | Gate 4 | Gate 5 |
|--------------------|--------|--------|--------|--------|--------|
| Background | 53.5 | 8.6 | 2.3 | 0.7 | 1.0 |
| Calibrator (Gross) | 548.8 | 96.8 | 28.3 | 7.9 | 10.0 |
| Calibrator (Net) | 495.3 | 88.1 | 26.0 | 7.2 | 9.0 |

Field Calibration

| | |
|------------------------------|---------|
| Calibration Type | SG Jigs |
| SGB Calibrator Serial Number | 440 |
| SGM Calibrator Serial Number | 450 |

Gamma Ray

| | Measured | Calibrated (API) |
|--------------------|----------|------------------|
| Background | 124 | 54 |
| Calibrator (Gross) | 748 | 325 |
| Calibrator (Net) | 624 | 271 |

Mixture Calibrator

| | Gate 1 | Gate 2 | Gate 3 | Gate 4 | Gate 5 |
|--------------------|--------|--------|--------|--------|--------|
| Background | 98.7 | 17.6 | 4.9 | 1.1 | 1.7 |
| Calibrator (Gross) | 593.2 | 105.0 | 31.3 | 8.1 | 10.9 |
| Calibrator (Net) | 494.5 | 87.4 | 26.4 | 7.0 | 9.2 |

Compact Spectral Gamma Calibration Tolerances MSG-A.A 112

| | | | | | | | |
|---------------|-------|--|-----|----------------------|-------|--|-----|
| Base Check K | 5.92 | <div><div></div><div></div><div></div><div></div><div></div></div> | % | Field @ Base Check K | 6.00 | <div><div></div><div></div><div></div><div></div><div></div></div> | % |
| Base Check U | 14.15 | <div><div></div><div></div><div></div><div></div><div></div></div> | ppm | Field @ Base Check U | 13.97 | <div><div></div><div></div><div></div><div></div><div></div></div> | ppm |
| Base Check T | 45.45 | <div><div></div><div></div><div></div><div></div><div></div></div> | ppm | Field @ Base Check T | 46.24 | <div><div></div><div></div><div></div><div></div><div></div></div> | ppm |
| Field Check K | 6.07 | <div><div></div><div></div><div></div><div></div><div></div></div> | % | | | | |
| Field Check U | 13.53 | <div><div></div><div></div><div></div><div></div><div></div></div> | ppm | | | | |
| Field Check T | 47.35 | <div><div></div><div></div><div></div><div></div><div></div></div> | ppm | | | | |

Compact Spectral Gamma Constants MSG-A.A 112

Last Edited on 06-JUL-2015,02:50

| | | |
|-------------------------------|-----------------|-------|
| Background Calibrator Number | 440 | |
| Mixture Calibrator Number | 450 | |
| Potassium Calibrator Number | 500 | |
| Uranium Calibrator Number | 506 | |
| Thorium Calibrator Number | 503 | |
| Mud Density | 1.22 | gm/cc |
| Caliper Source for Processing | Density Caliper | |
| Tool Position | Eccentred | |
| Potassium Equivalence | Chloride | |
| K Mud Concentration | 0.01 | % |

Caliper Calibration MPD-C.A 218

Base Calibration on 21-JUN-2015 18:19
Field Calibration on 05-JUL-2015 10:23

| Base Calibration | | |
|------------------|----------|----------------------|
| Reading No | Measured | Calibrator Size (in) |
| 1 | 14669 | 4.00 |
| 2 | 22799 | 5.96 |
| 3 | 31424 | 7.98 |
| 4 | 39671 | 9.86 |
| 5 | 48752 | 11.88 |
| 6 | N/A | N/A |

Field Calibration

| | |
|-----------------------|---------------------|
| Measured Caliper (in) | Actual Caliper (in) |
| 7.94 | 7.98 |

Caliper Calibration Tolerances MPD-C.A 218

| | | | |
|---------------------|------|--|----|
| Long Arm Field Cal. | 7.94 | <div><div></div><div></div><div></div><div></div><div></div></div> | in |
|---------------------|------|--|----|

Photo Density Calibration MPD-C.A 218

Base Calibration on 21-JUN-2015 19:11

Density Calibration

Base Calibration

| | Measured | | Calibrated (sdu) | |
|-------------|----------|-------|------------------|-------|
| | Near | Far | Near | Far |
| Background | 719 | 771 | | |
| Reference 1 | 52362 | 23874 | 59443 | 30683 |
| Reference 2 | 20833 | 1902 | 25113 | 2508 |

Field Check at Base

719.4 771.4

Field Check

723.1 775.6

PE Calibration

Base Calibration

| | WS | Measured | | Calibrated |
|-------------|-------|----------|-------|------------|
| | | WH | Ratio | Ratio |
| Background | 133 | 647 | | |
| Reference 1 | 20873 | 52229 | 0.402 | 0.372 |
| Reference 2 | 5913 | 20757 | 0.287 | 0.268 |

Field Check at Base

133.3 647.2

Field Check

132.4 651.2

Photo Density Calibration Tolerances MPD-C.A 218

| | | |
|--------------------|-------|---|
| Near Density Ratio | 2.57 | <div> <div>-5%</div> <div>2.52</div> <div>+5%</div> </div> |
| PE Calibration | 0.102 | <div> <div>0.089</div> <div>0.110</div> <div>0.131</div> </div> |

| | | |
|-------------------|-------|---|
| Far Density Ratio | 20.42 | <div> <div>-5%</div> <div>21.00</div> <div>+5%</div> </div> |
|-------------------|-------|---|

| | | |
|-----------------------|-------|---|
| Near Den. Field Check | 723.1 | <div> <div>-3%</div> <div>719.4</div> <div>+3%</div> </div> |
| PE WS Field Check | 132.4 | <div> <div>-6%</div> <div>133.3</div> <div>+6%</div> </div> |

| | | |
|----------------------|-------|---|
| Far Den. Field Check | 775.6 | <div> <div>-3%</div> <div>771.4</div> <div>+3%</div> </div> |
| PE WH Field Check | 651.2 | <div> <div>-6%</div> <div>647.2</div> <div>+6%</div> </div> |

Density Constants MPD-C.A 218

Last Edited on 06-JUL-2015,02:52

| | |
|-------------------------------|-----------------|
| Density Source Id | P44264B |
| Nylon Calibrator Number | 652 |
| Aluminium Calibrator Number | 659 |
| Density Shoe Profile | 4 inch |
| Caliper Source for Processing | Density Caliper |
| PE Correction to Density | Not Applied |
| Mud Density | 1.22 gm/cc |
| Mud Density Z/A Multiplier | 1.11 |
| Mud Filtrate Density | 1.00 gm/cc |
| Dry Hole Mud Filtrate Density | 1.00 gm/cc |
| DNCT | 0.00 gm/cc |
| CRCT | 0.00 gm/cc |
| Density Z/A Correction | Hybrid |
| Matrix Density (gm/cc) | Depth (ft) |
| 2.71 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |

DOWNHOLE EQUIPMENT

C:\Logs\Bill Barrett\Will 6-62-15-0461CH2\Will 6-62-16-0461CH2_Depth Main.dta

Shuttle Running Tool 3.5" (SRT A)
SRT-A 8 LG: 6.47 ft WT: 37.5 lb OD: 2.520 in



SHA-J.B Compact Swivel Head Adaptor
SHA-J.B 512 LG: 2.30 ft WT: 22.0 lb OD: 2.244 in

MBS-F.A 200v Compact Battery Sub
MBS-F.A 120 LG: 17.06 ft WT: 123.5 lb OD: 2.240 in

Compact Memory Sub F.A
MMS-F.A 249 LG: 5.20 ft WT: 37.5 lb OD: 2.244 in

Compact Tool Isolator sub.
MTI-C.A 145 LG: 1.54 ft WT: 13.2 lb OD: 2.244 in

Compact Short Gamma
MGS-D.A 218 LG: 3.41 ft WT: 24.3 lb OD: 2.244 in

Compact Collar Locator
MCL-C.A 128 LG: 3.17 ft WT: 26.5 lb OD: 2.244 in

Compact Spectral Gamma
MSG-A.A 112 LG: 10.94 ft WT: 90.4 lb OD: 2.244 in

SKJ-E.A Compact Knuckle Joint
SKJ-E.A 246 LG: 2.17 ft WT: 24.3 lb OD: 2.240 in

SHA-J.B Compact Swivel Head Adaptor
SHA-J.B 618 LG: 2.30 ft WT: 22.0 lb OD: 2.240 in

MIS-D.B Compact Inline Bowspring sub
MIS-D.B 707 LG: 5.70 ft WT: 33.1 lb OD: 2.240 in

Compact Neutron
MDN-B.J 376 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

Compact Density/Caliper
MPD-C.A 218 LG: 9.59 ft WT: 90.4 lb OD: 2.244 in

Compact Vee Arm Caliper
MVC-A.A 143 LG: 8.06 ft WT: 61.7 lb OD: 2.244 in

SHA-J.B Compact Swivel Head Adaptor
SHA-J.B 694 LG: 2.30 ft WT: 22.0 lb OD: 2.240 in

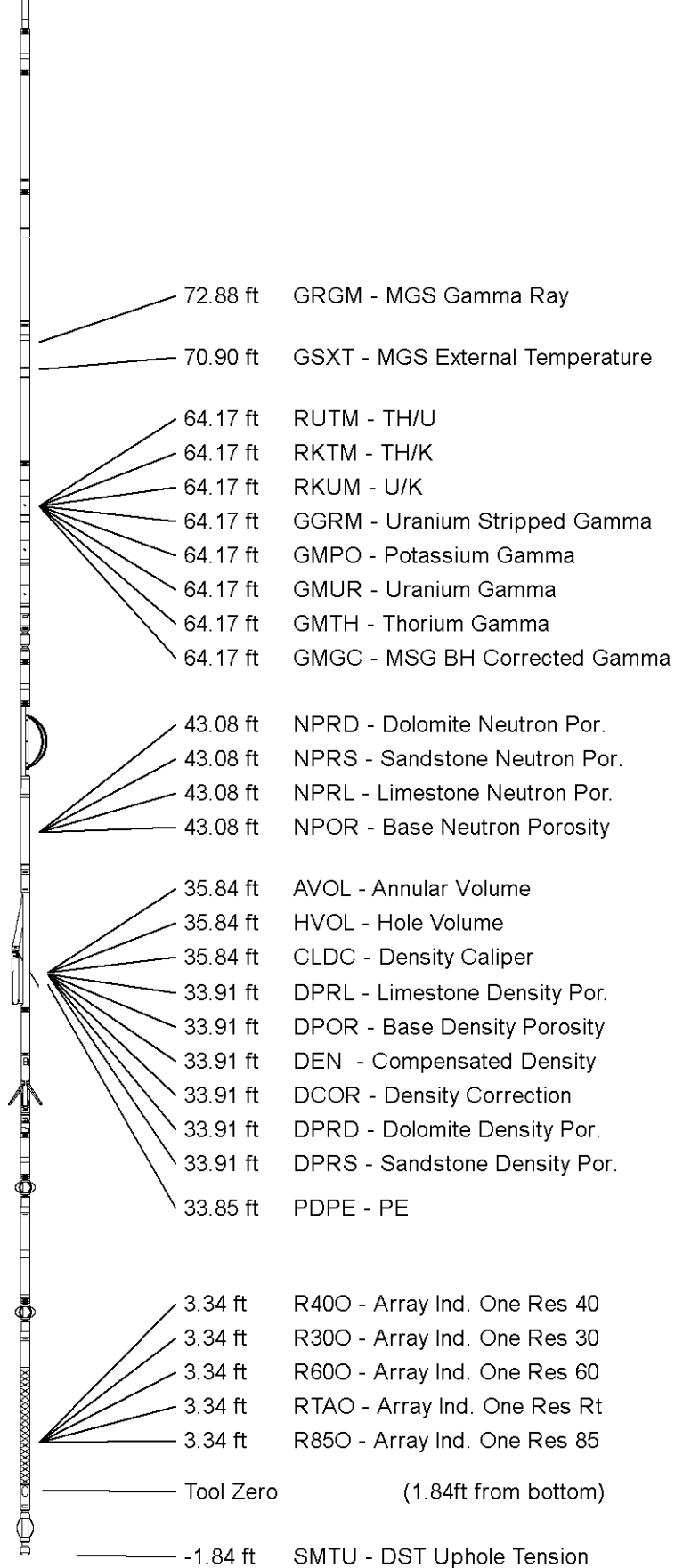
MIS-E.A Compact Inline Standoff sub
MIS-E.A 277 LG: 2.14 ft WT: 15.4 lb OD: 2.240 in

Compact Focussed Electric
MFE-C.A 404 LG: 6.05 ft WT: 48.5 lb OD: 2.240 in

MIS-E.B Compact Inline Standoff sub
MIS-E.B 662 LG: 2.14 ft WT: 15.4 lb OD: 2.240 in

Compact Induction
MAI-B.J 375 LG: 12.52 ft WT: 48.5 lb OD: 2.240 in


Total Length: 108.09 ft Weight: 806.9 lb



All measurements relative to tool zero.

| | | | |
|-----------------|----------------------|--|--|
| COMPANY | BILL BARRETT CORP | | |
| WELL | WILL 6-62-15-0461CH2 | | |
| FIELD | WATTENBERG | | |
| PROVINCE/COUNTY | WELD | | |
| COUNTRY/STATE | U.S.A. / COLORADO | | |

| | | | | | |
|-------------------------|---------|------|---------------|---------|------|
| Elevation Kelly Bushing | 4766.00 | feet | First Reading | 6803.00 | feet |
| Elevation Drill Floor | 4766.00 | feet | Depth Driller | 6823.00 | feet |
| Elevation Ground Level | 4750.00 | feet | Depth Logger | 6823.00 | feet |


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MEASURED DEPTH
COMPACT TRIPLE COMBO
QUICKLOOK LOG