

Bit Run Summary

| Run number | | 2 | 3 | 4 | | | | | | |
|------------------------|-----|-----------|-----------|-----------|--|--|--|--|--|--|
| Bit size | in. | 8.5 | 8.5 | 8.5 | | | | | | |
| Bit start depth | m | 843.0 | 1253.0 | 1902.0 | | | | | | |
| Bit end depth | m | 1253.0 | 1902.0 | 2641.0 | | | | | | |
| Top interval logged | m | 836.0 | 1221.2 | 1870.2 | | | | | | |
| Bottom interval logged | m | 1243.8 | 1892.8 | 2631.8 | | | | | | |
| Begin log: time | | 19:21 | 20:56 | 06:30 | | | | | | |
| Begin log: date | | 04-Aug-05 | 06-Aug-05 | 08-Aug-05 | | | | | | |
| End log: time | | 07:49 | 16:49 | 13:05 | | | | | | |
| End log: date | | 06-Aug-05 | 07-Aug-05 | 09-Aug-05 | | | | | | |
| Mud data | | | | | | | | | | |
| Depth | m | 1192.0 | 1809.0 | 2641.0 | | | | | | |

| Type | | KCl/PHPA/Glycol | KCl/PHPA/Glycol | KCl/PHPA/Glycol | | | | | | |
|----------------------------|----------|-----------------|-----------------|-----------------|----------|----------|-----------|--|--|--|
| Mud weight | ppg | 9.60 | 9.70 | 9.85 | | | | | | |
| Solids | % | 4.2 | 5.0 | 6.0 | | | | | | |
| Chlorides | mg/L | 43000 | 45000 | 46000 | | | | | | |
| Rm | ohm.m@°C | 0.10@21.0 | 0.10@21.1 | 0.09@20.8 | | | | | | |
| Rmf | ohm.m@°C | 0.08@20.9 | 0.09@21.0 | 0.08@20.6 | | | | | | |
| Rmc | ohm.m@°C | 0.13@21.0 | 0.13@21.7 | 0.14@21.0 | | | | | | |
| Potassium | % | 8.0 | 8.0 | 8.0 | | | | | | |
| Environmental data | | | | | | | | | | |
| GR | | | | | | | | | | |
| Mud weight | ppg | 9.60 | 9.70 | 9.85 | | | | | | |
| Bit size | in. | 8.5 | 8.5 | 8.5 | | | | | | |
| Resistivity | | | | | | | | | | |
| Neutron porosity | | | | | | | | | | |
| Hole Size | in. | 8.5 | 8.5 | 8.5 | | | | | | |
| Mud weight | ppg | 9.60 | 9.70 | 9.85 | | | | | | |
| Temperature | °C | 65.0 | 68.0 | 87.0 | | | | | | |
| Mud salinity | ppm | 84775 | 76924 | 83929 | | | | | | |
| Formation salinity | | | | | | | | | | |
| Recording rate 1 | SEC | 5 sec. | 5 sec. | 5 sec. | | | | | | |
| Recording rate 2 | SEC | 5 sec. | 5 sec. | 5 sec. | | | | | | |
| Filtering GR | | 3 pt. | 3 pt. | 3 pt. | | | | | | |
| Filtering density | | 3 pt. | 3 pt. | 3 pt. | | | | | | |
| Filtering Neutron | | 3 pt. | 3 pt. | 3 pt. | | | | | | |
| Company representative | | R. Bain | M. Jackson | J. MacKinnon | | | | | | |
| Schlumberger D&M Personnel | | J. Dolan | M. Y. Tan | D. Hastie | T. Auger | C. Soper | B. Hanson | | | |

DISCLAIMER

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| | | | | | |
|--|--|---|--|--|--|
| OTHER SERVICES FOR RUN2 Xceed* RSS D&I Survey | | OTHER SERVICES FOR RUN3 Xceed* RSS D&I Survey | | OTHER SERVICES FOR RUN4 Xceed* RSS D&I Survey | |
| REMARKS: RUN NUMBER 2 8-1/2 in. hole section was drilled from 843.0 m to 1253.0 m. Depth is referenced to Driller's Depth. All data presented is from tool memory. Environmental Corrections: – GR is corrected for mud weight, tool and bit size, but not corrected for Potassium content. GVR* resistivity is corrected for bit size, mud resistivity and borehole temperature. Neutron porosity is calculated with a limestone matrix and is corrected for hole size (DCAV), borehole salinity, temperature and mud hydrogen index (derived from mud weight, temperature and pressure at depth). Surface temperature is adjusted to give a correct computed downhole temperature gradient. Neutron porosity data was processed without | | REMARKS: RUN NUMBER 3 8-1/2 in. hole section was drilled from 1253.0 m to 1902.0 m. Depth is referenced to Driller's Depth. All data presented is from tool memory. Environmental Corrections: – GR is corrected for mud weight, tool and bit size, but not corrected for Potassium content. GVR*6 resistivity is corrected for bit size, mud resistivity and borehole temperature. Neutron porosity is calculated with a limestone matrix and is corrected for hole size (DCAV), borehole salinity, temperature and mud hydrogen index (derived from mud weight, temperature and pressure at depth). Surface temperature is adjusted to give a correct computed downhole temperature gradient. Resistivity data was processed until the depth | | REMARKS: RUN NUMBER 4 8-1/2 in. hole section was drilled from 1902.0 m to 2641.0 m. Depth is referenced to Driller's Depth. All data presented is from tool memory. Environmental Corrections: – GR is corrected for mud weight, tool and bit size, but not corrected for Potassium content. GVR* resistivity is corrected for bit size, mud resistivity and borehole temperature. Neutron porosity is calculated with a limestone matrix and is corrected for hole size (DCAV), borehole salinity, temperature and mud hydrogen index (derived from mud weight, temperature and pressure at depth). Surface temperature is adjusted to give a correct computed downhole temperature gradient. Resistivity data between the interval of | |

FR11 and FR21.

of 1864.0 m MD.

1864.0 m to 1893.0 m MD was acquired by
reaming down the section.

EQUIPMENT DESCRIPTION

RUN2

RUN3

RUN4

DOWNHOLE EQUIPMENT

6-3/4 in. ADN*6C Neutron F 31.81 33.78
 S/N: 0403 Neutron N 31.66
 8-1/4 in. Stabiliser Density S 30.79
 NSR-M A202 Density L 30.69
 GSR-J A1994 UltraSonic 30.31
 Software: V8.3A02 R-O Port 29.55

6-3/4 in. Sonic*6 27.18
 S/N: 34641
 Software: V6.4B10
 Receiver Array 24.12
 R-O Port 23.72
 Transmitter 20.68

6-3/4 in. PowerPulse* 19.89
 MDC Z411
 MEC 212
 MDI 1096
 MVC 282
 Software: V8.0B96
 D&I 15.69

6-3/4 in. GVR* 11.54
 S/N: 191
 Software: V6.2B01
 Shallow 10.04
 Medium 9.92
 Deep 9.74
 Ring Res 9.57
 R-O Port 9.43
 GR 9.21

6-3/4 in. Xceed* RSS 7.89
 S/N: 060

DOWNHOLE EQUIPMENT

6-3/4 in. ADN*6C Neutron F 31.79 33.74
 S/N: FE55 Neutron N 31.64
 8-3/16 in. Stabiliser Density S 30.77
 NSR-M A202 Density L 30.67
 GSR-J A1994 UltraSonic 30.29
 Software: V8.3B02 R-O Port 29.53

6-3/4 in. Sonic*6 27.14
 S/N: 34641
 Software: V6.4B10
 Receiver Array 24.08
 R-O Port 23.68
 Transmitter 20.64

6-3/4 in. PowerPulse* 19.85
 MDC Z411
 MEC 212
 MDI 1096
 MVC 282
 Software: V8.0B96
 D&I 15.65

6-3/4 in. GVR* 11.50
 S/N: 191
 Software: V6.2B01
 Shallow 10.00
 Medium 9.88
 Deep 9.70
 Ring Res 9.53
 R-O Port 9.39
 GR 9.17

6-3/4 in. Xceed* RSS 7.85
 S/N: 060

DOWNHOLE EQUIPMENT

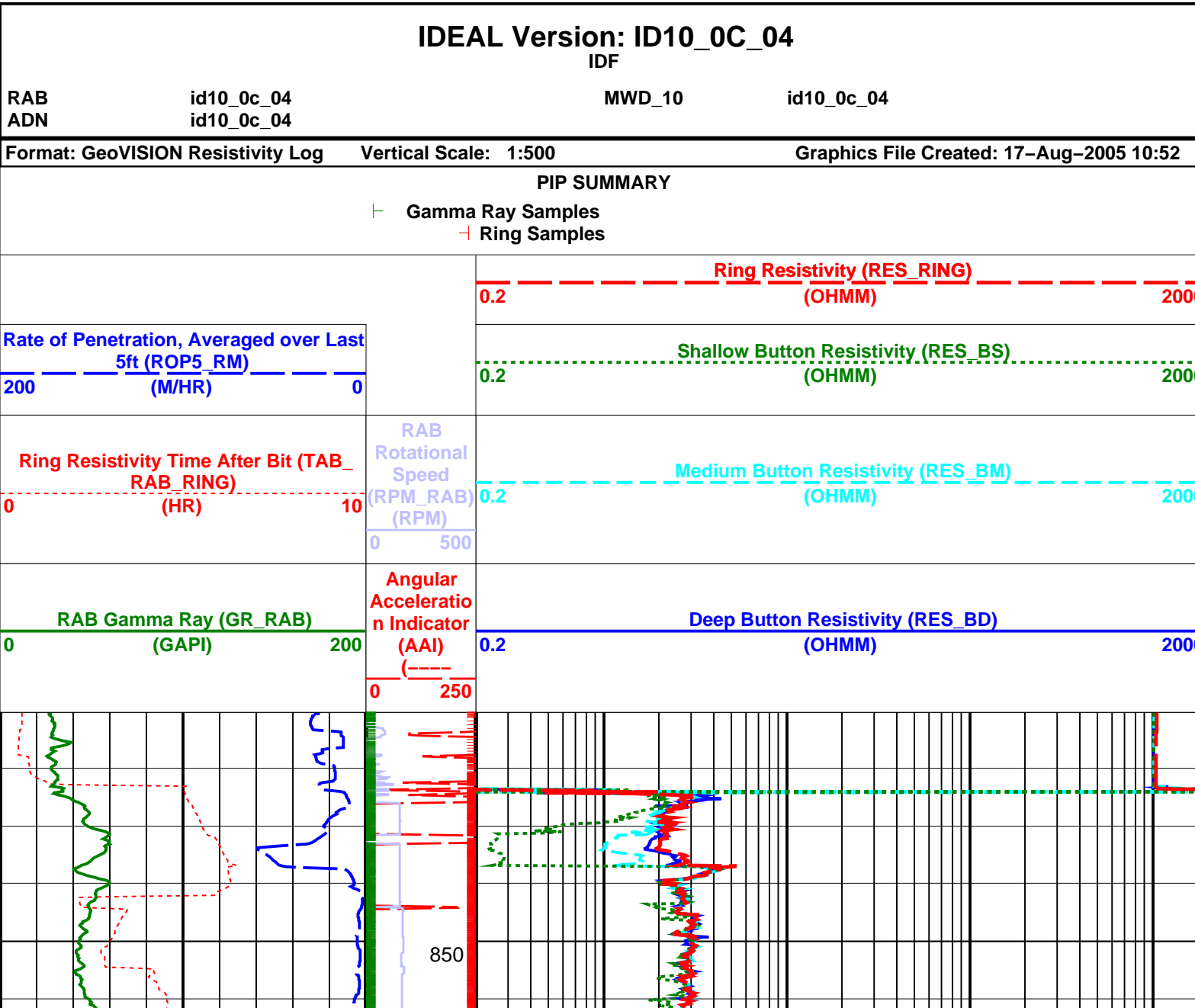
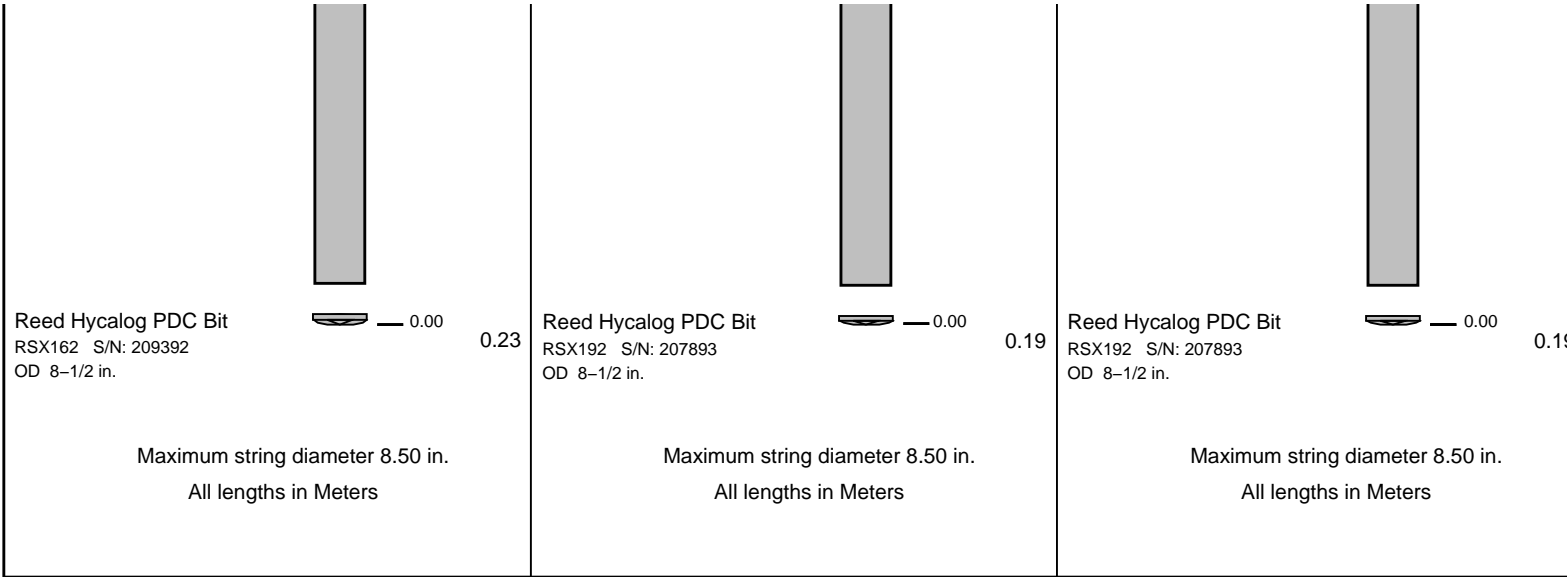
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 GSR-J A1994 UltraSonic 30.25
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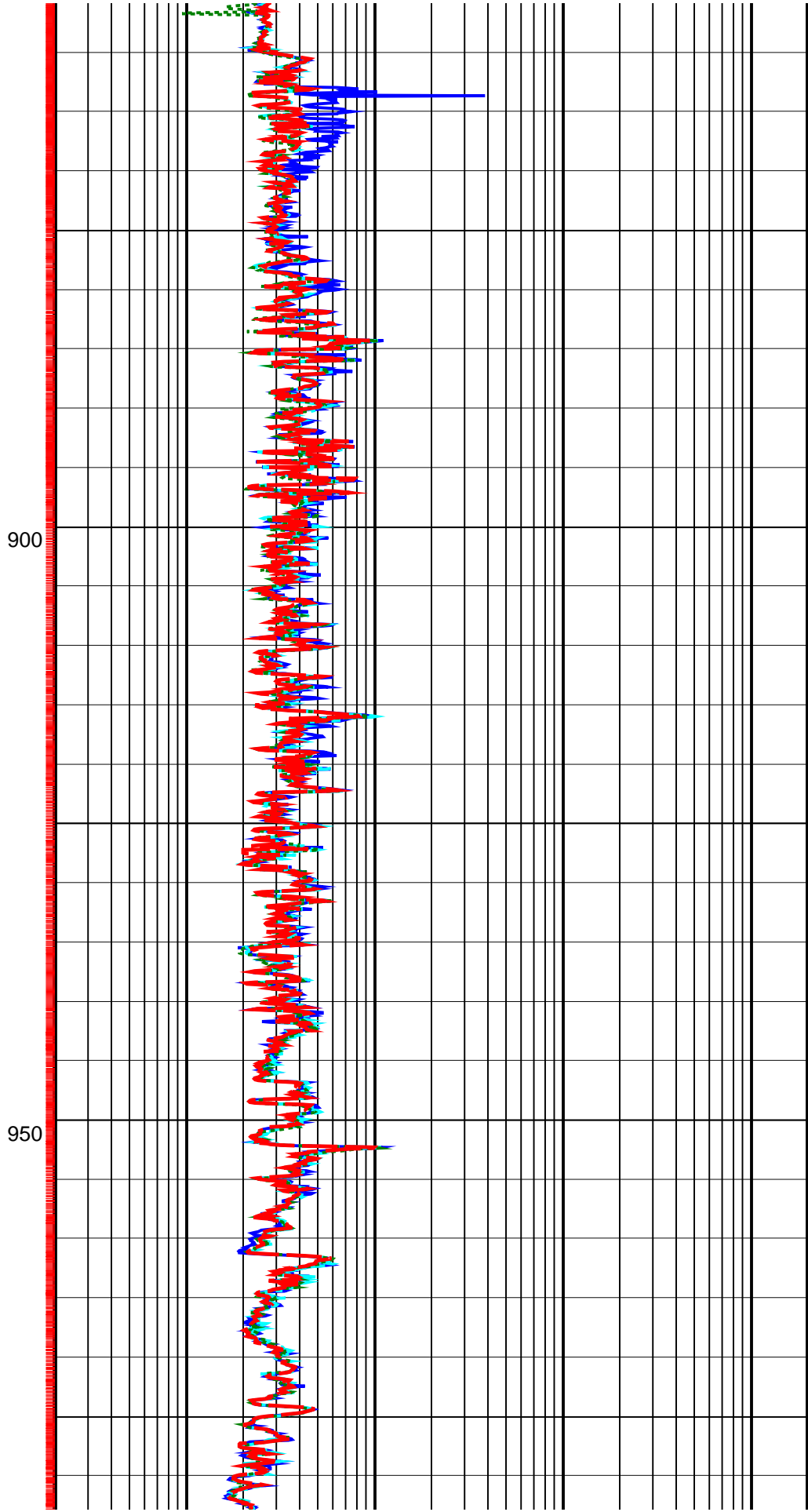
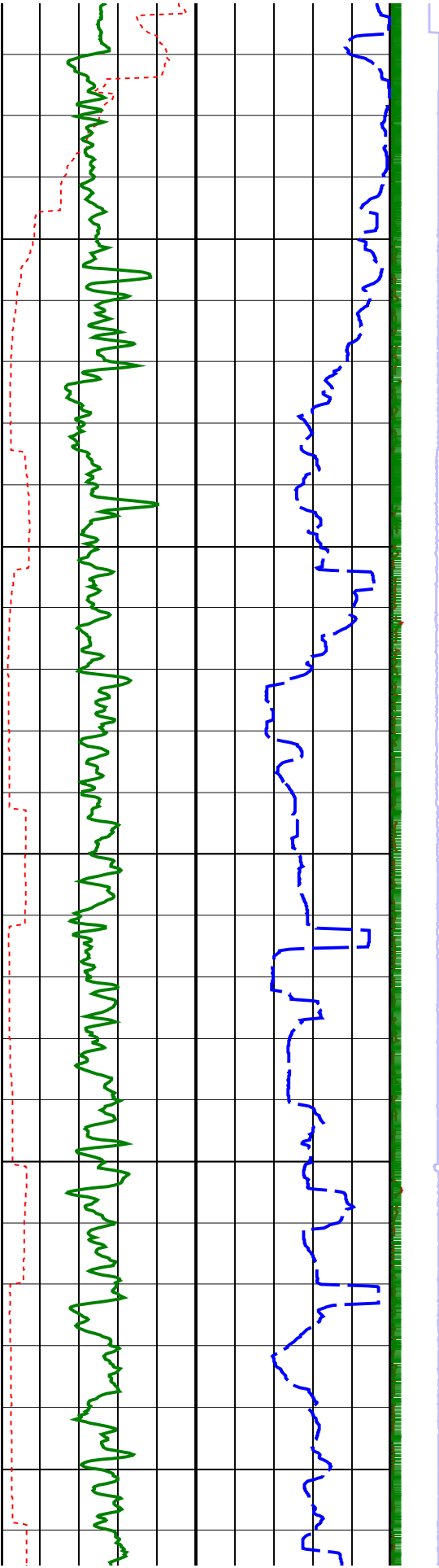
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 Transmitter 20.60

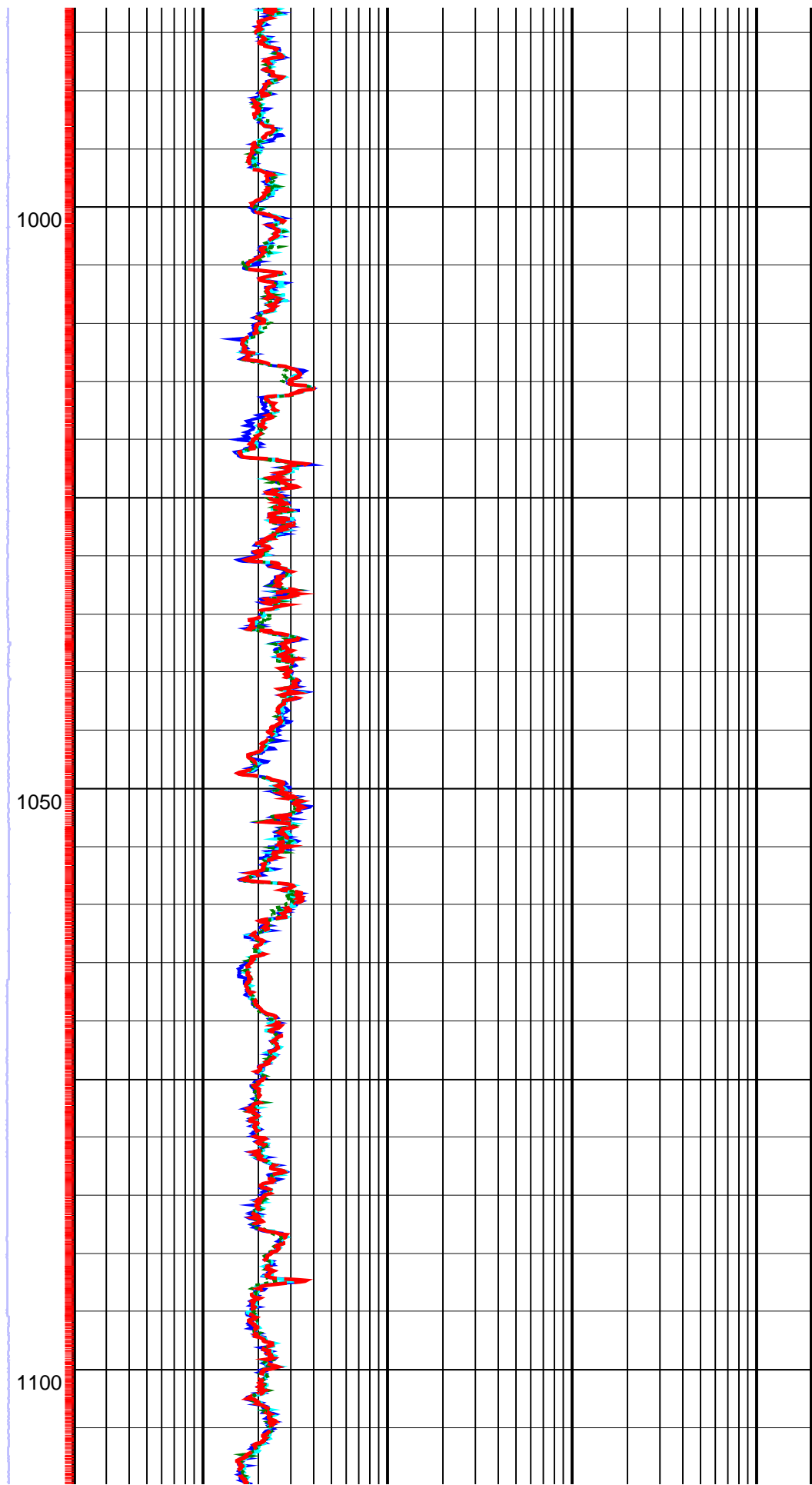
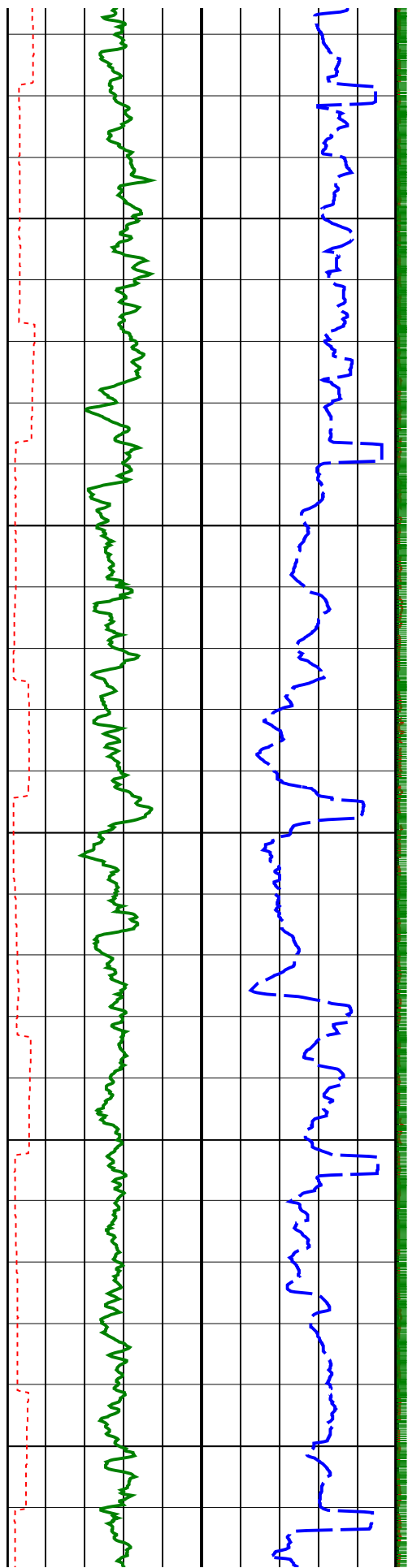
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 MVC 282
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 D&I 15.61

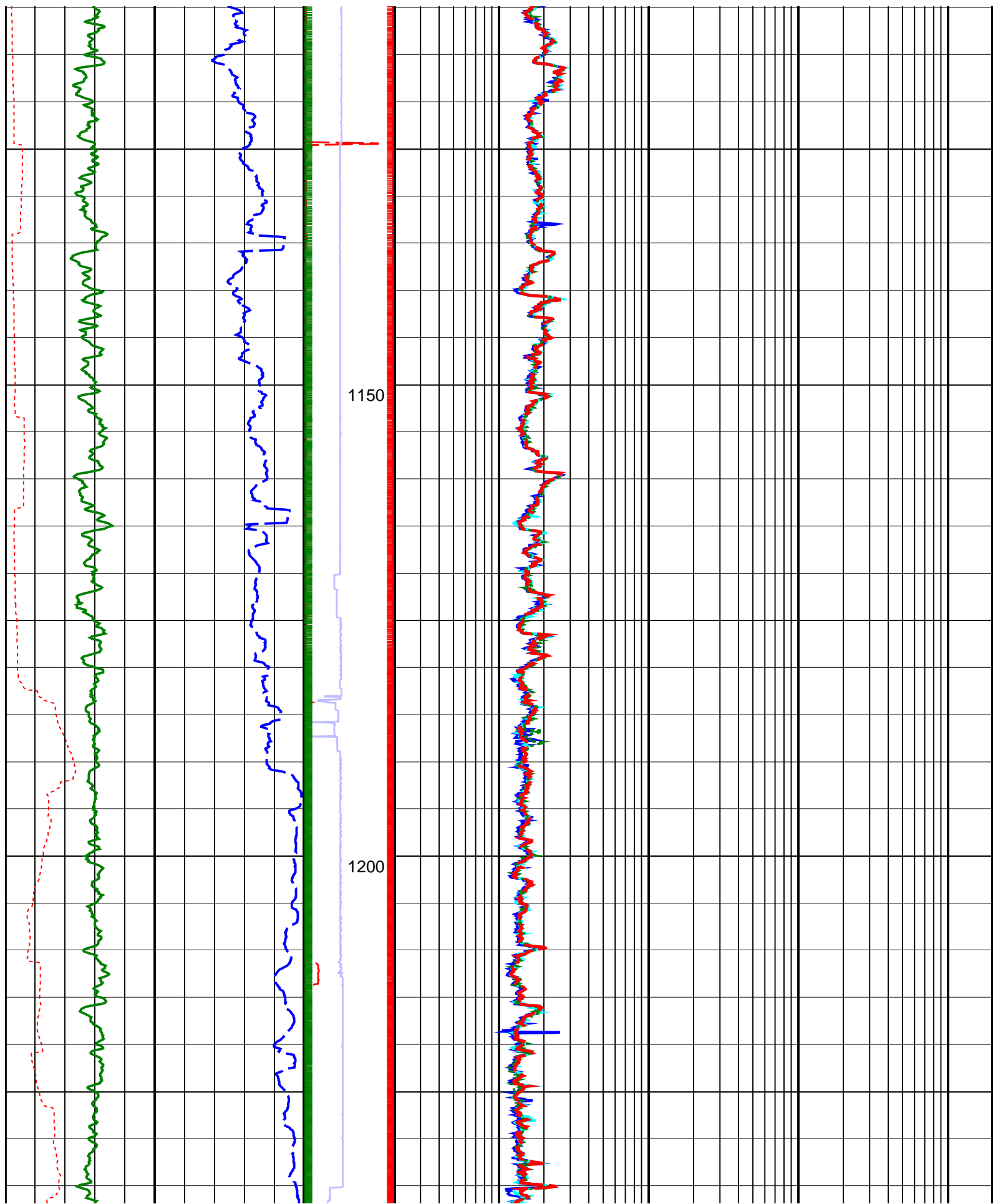
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 Shallow 9.99
 Medium 9.87
 Deep 9.69
 Ring Res 9.52
 R-O Port 9.38
 GR 9.16

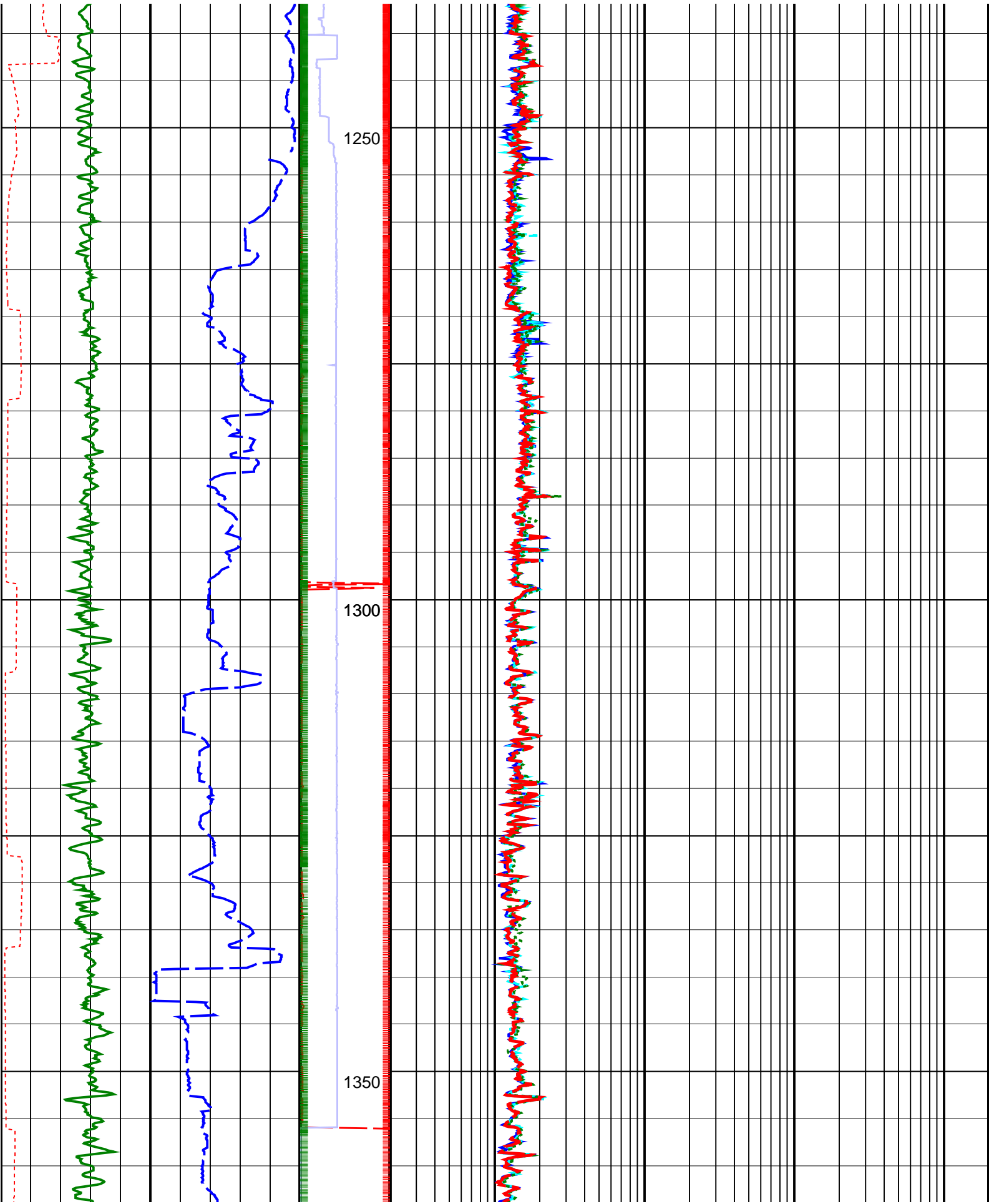
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 S/N: 060

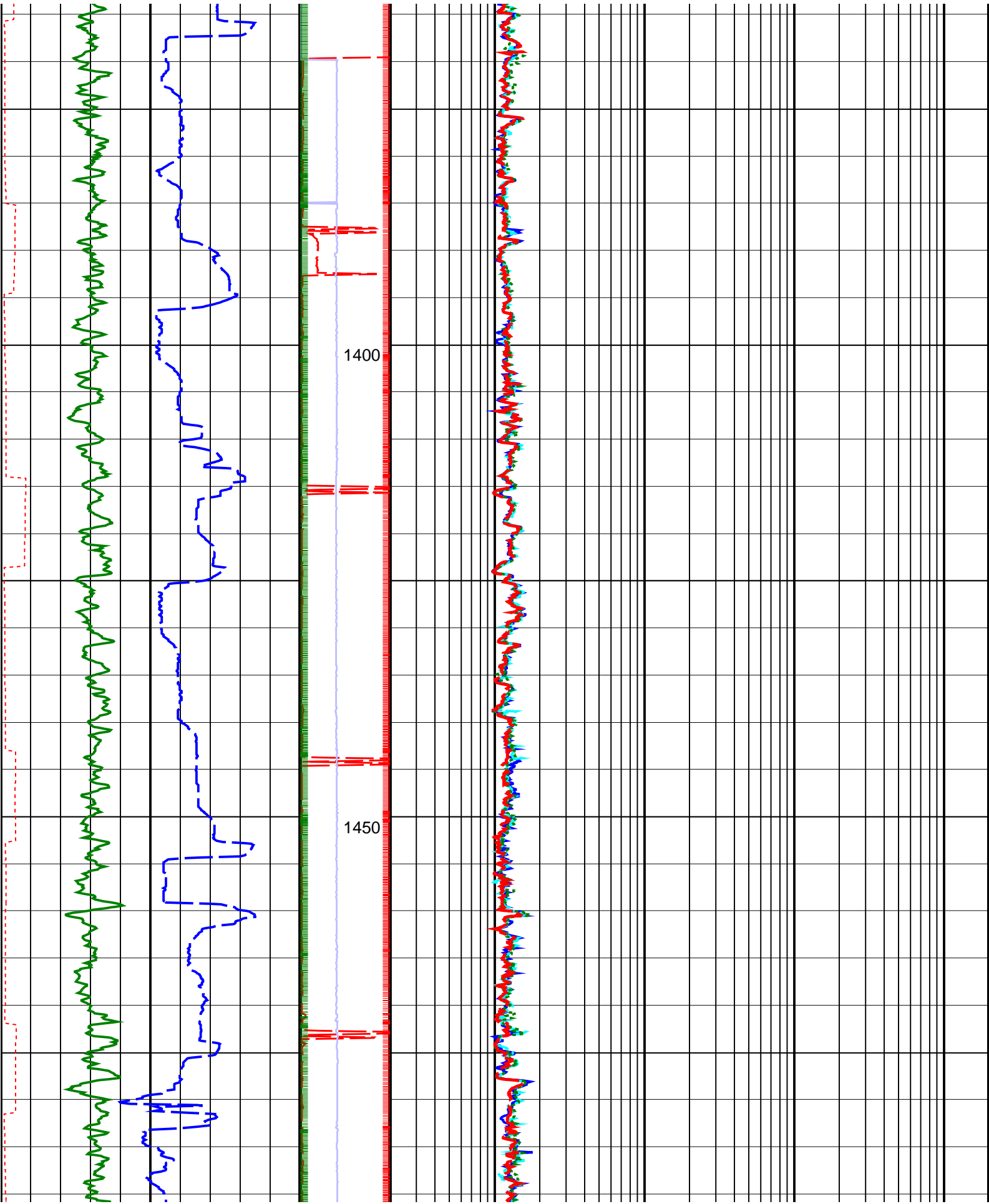


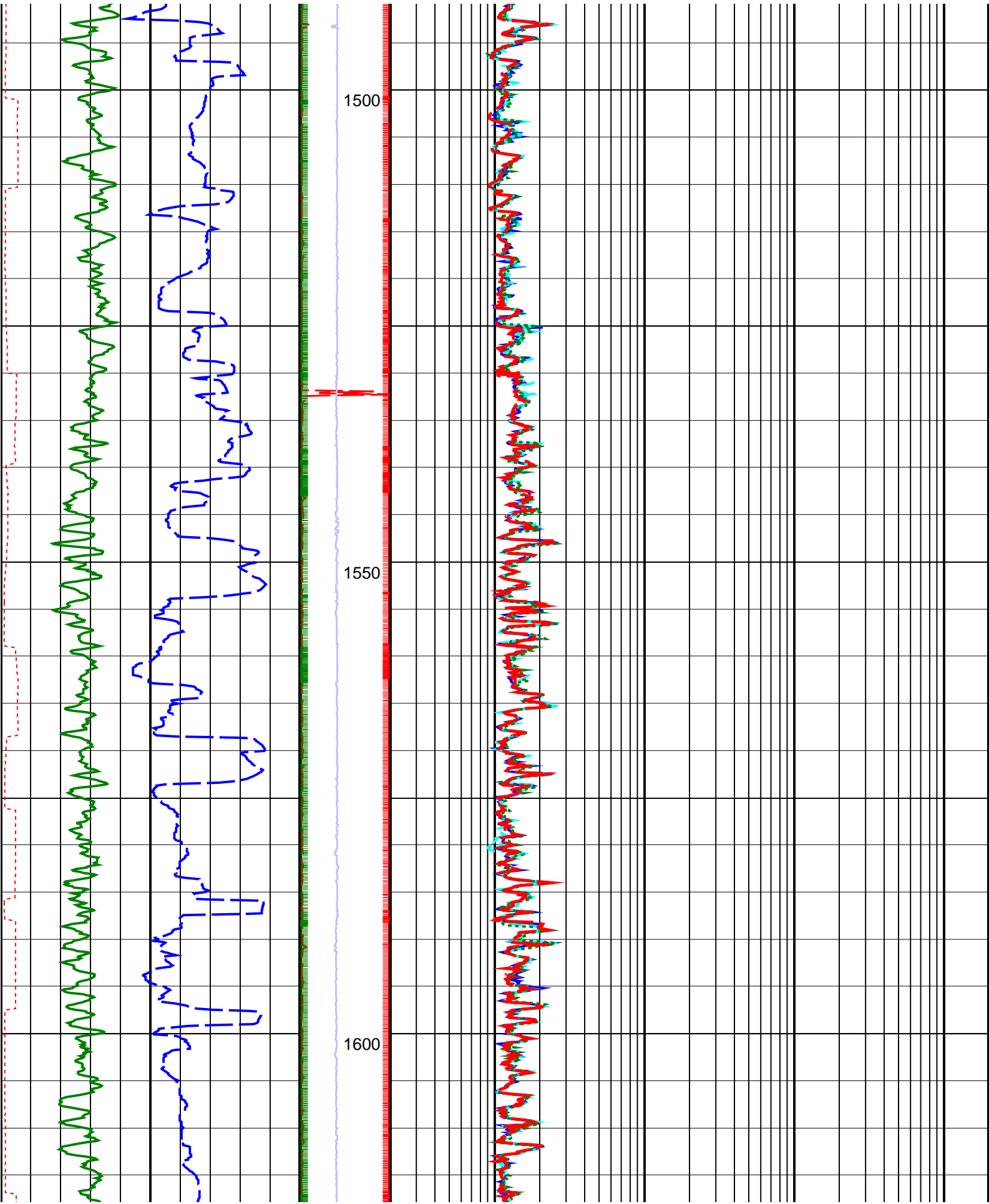


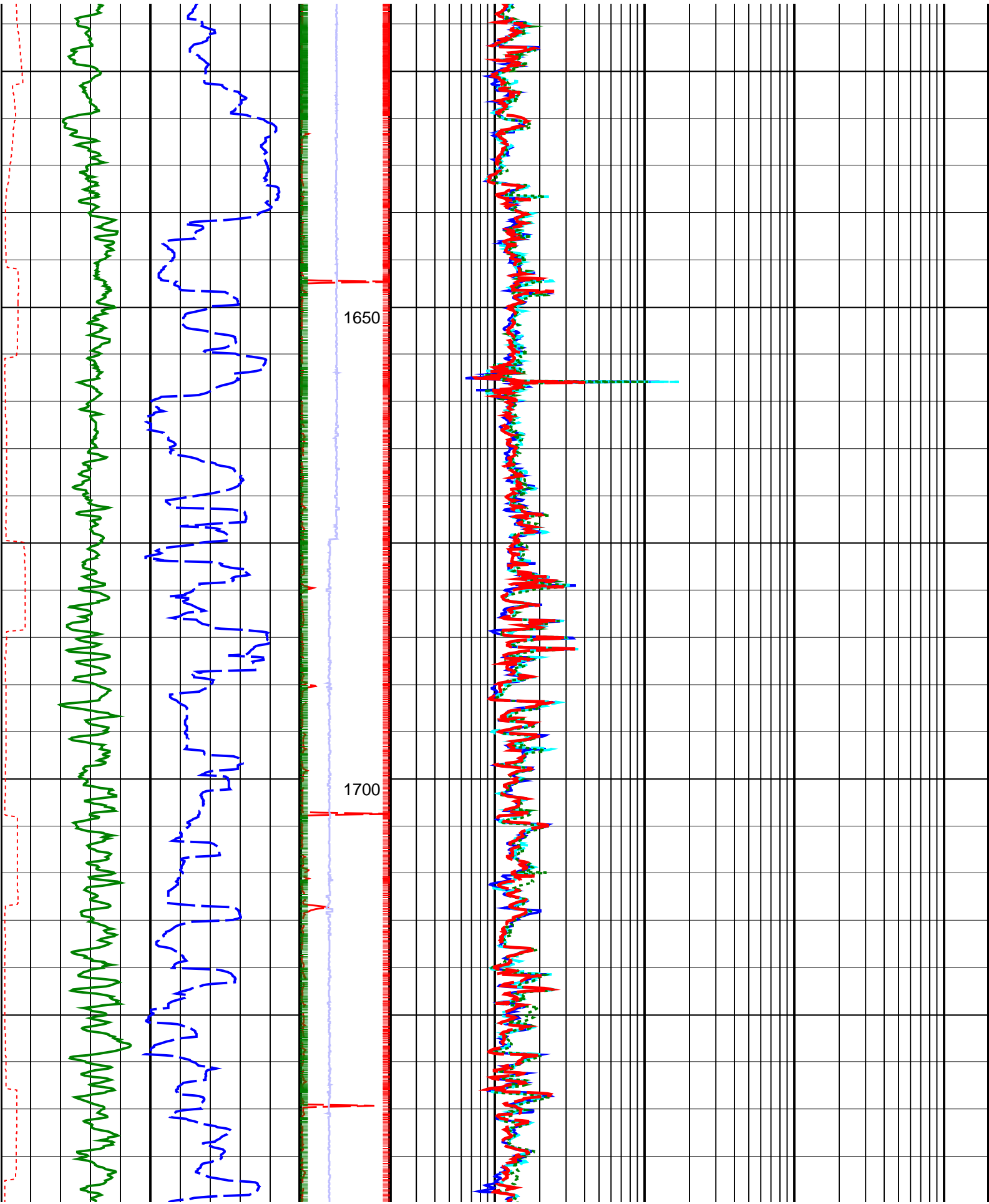


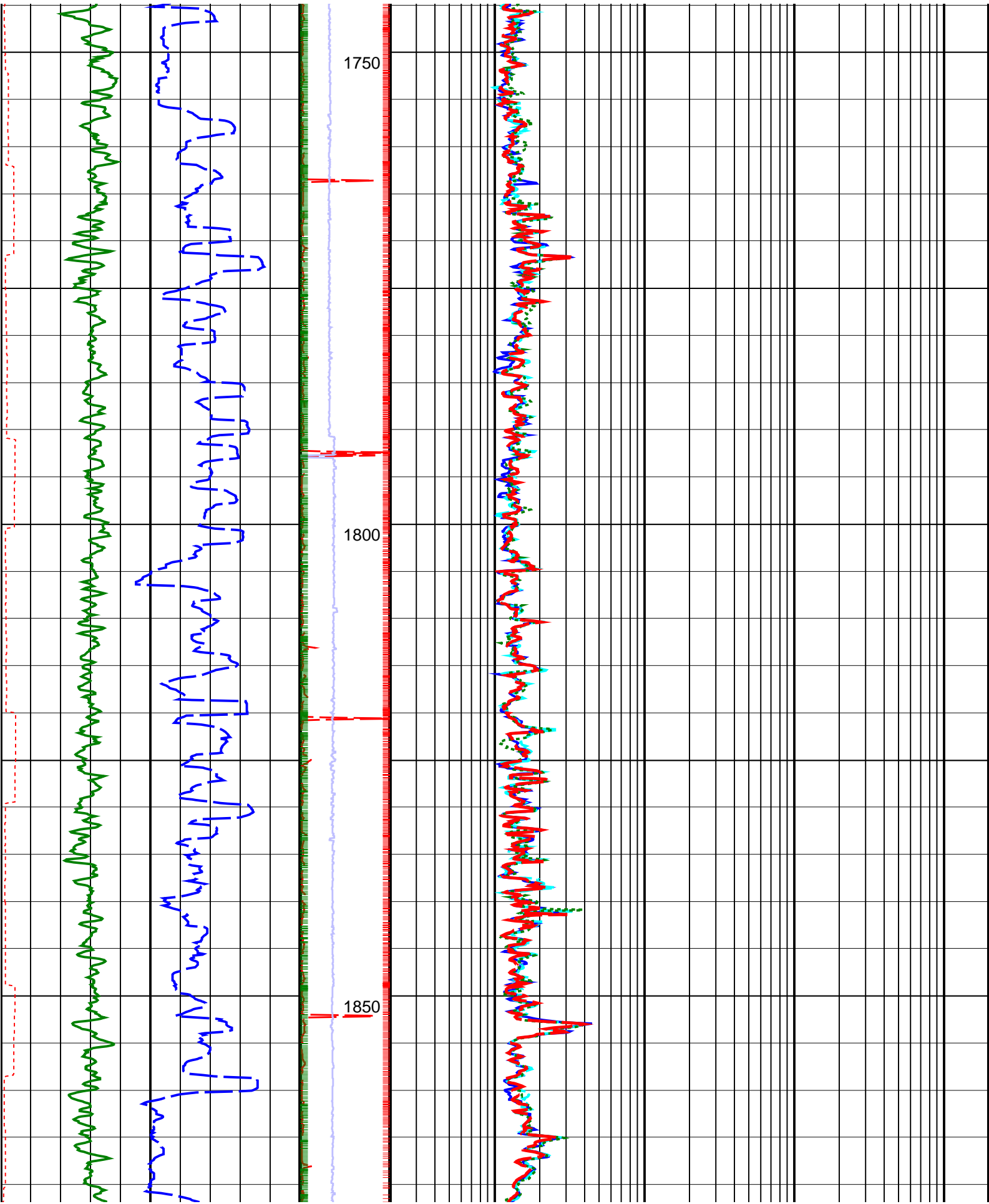


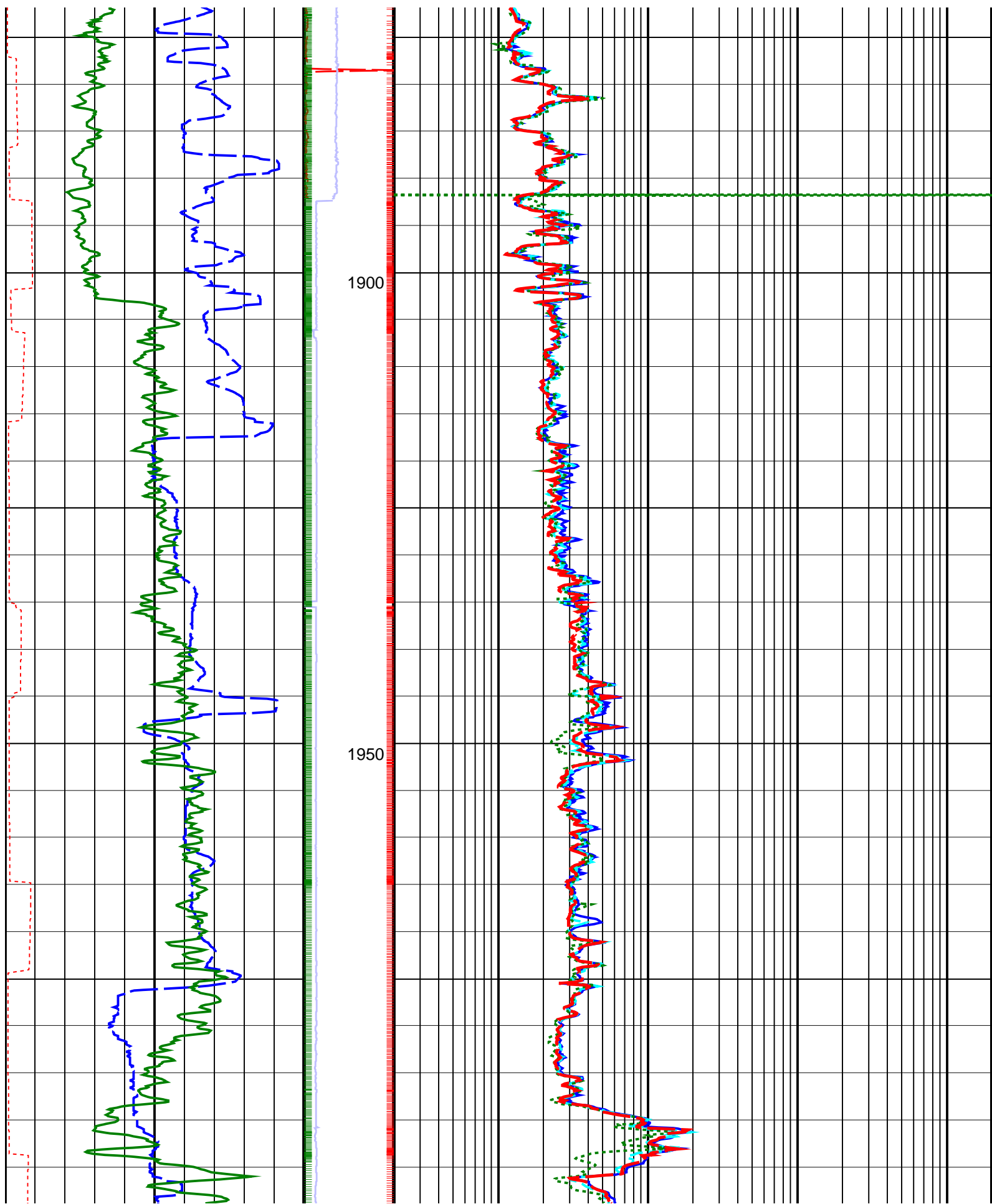


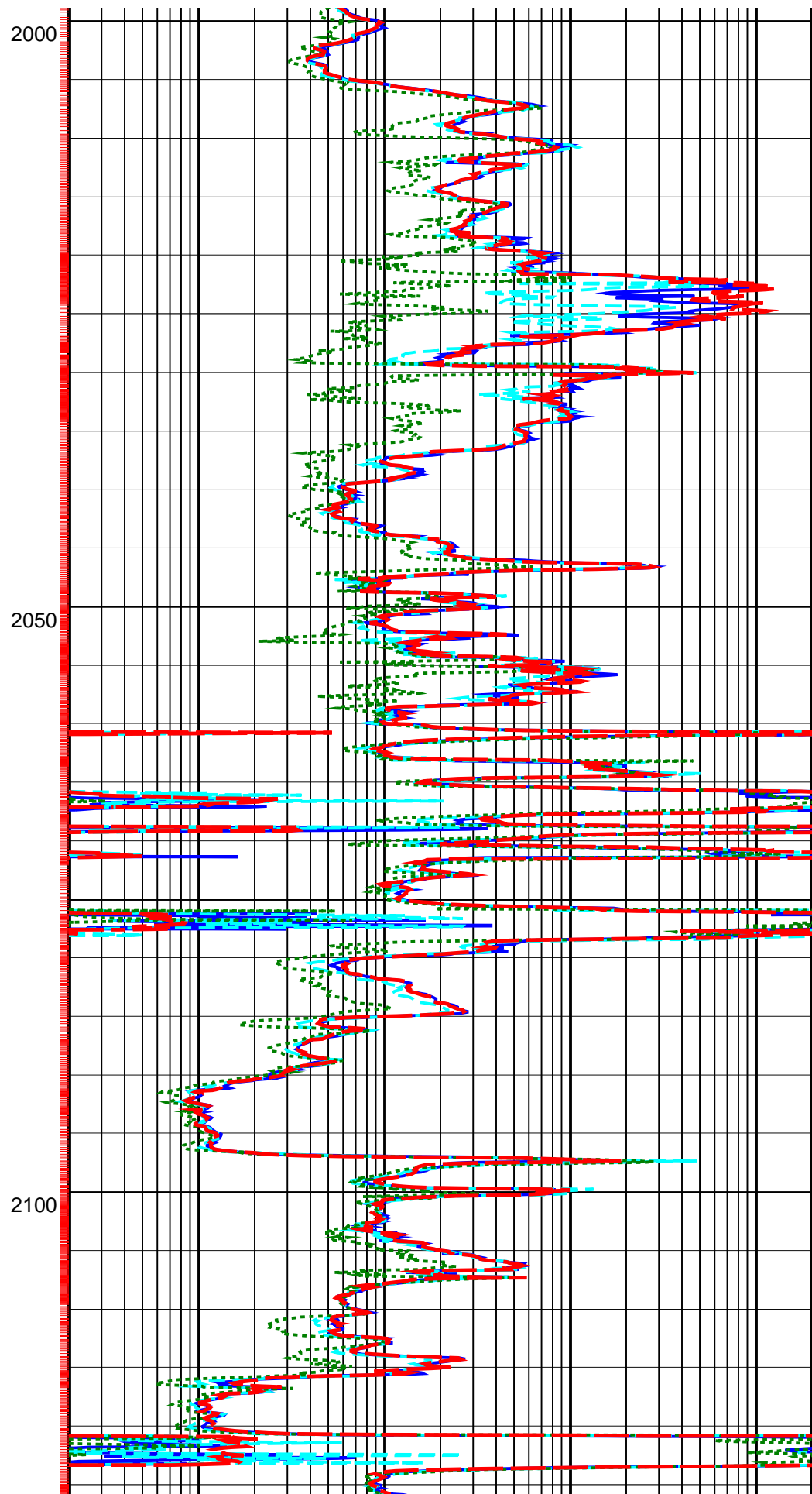
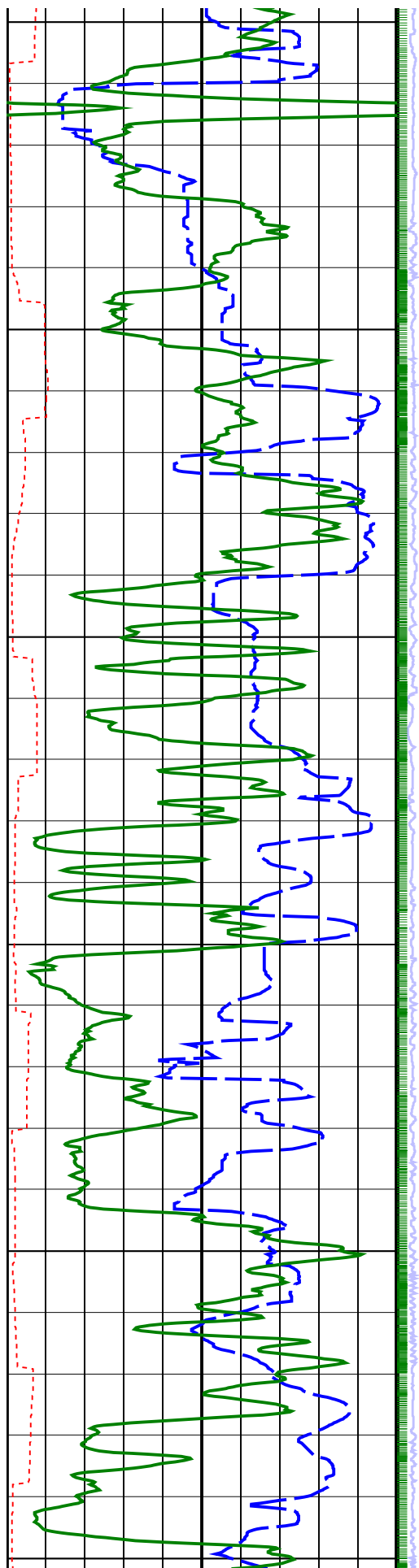


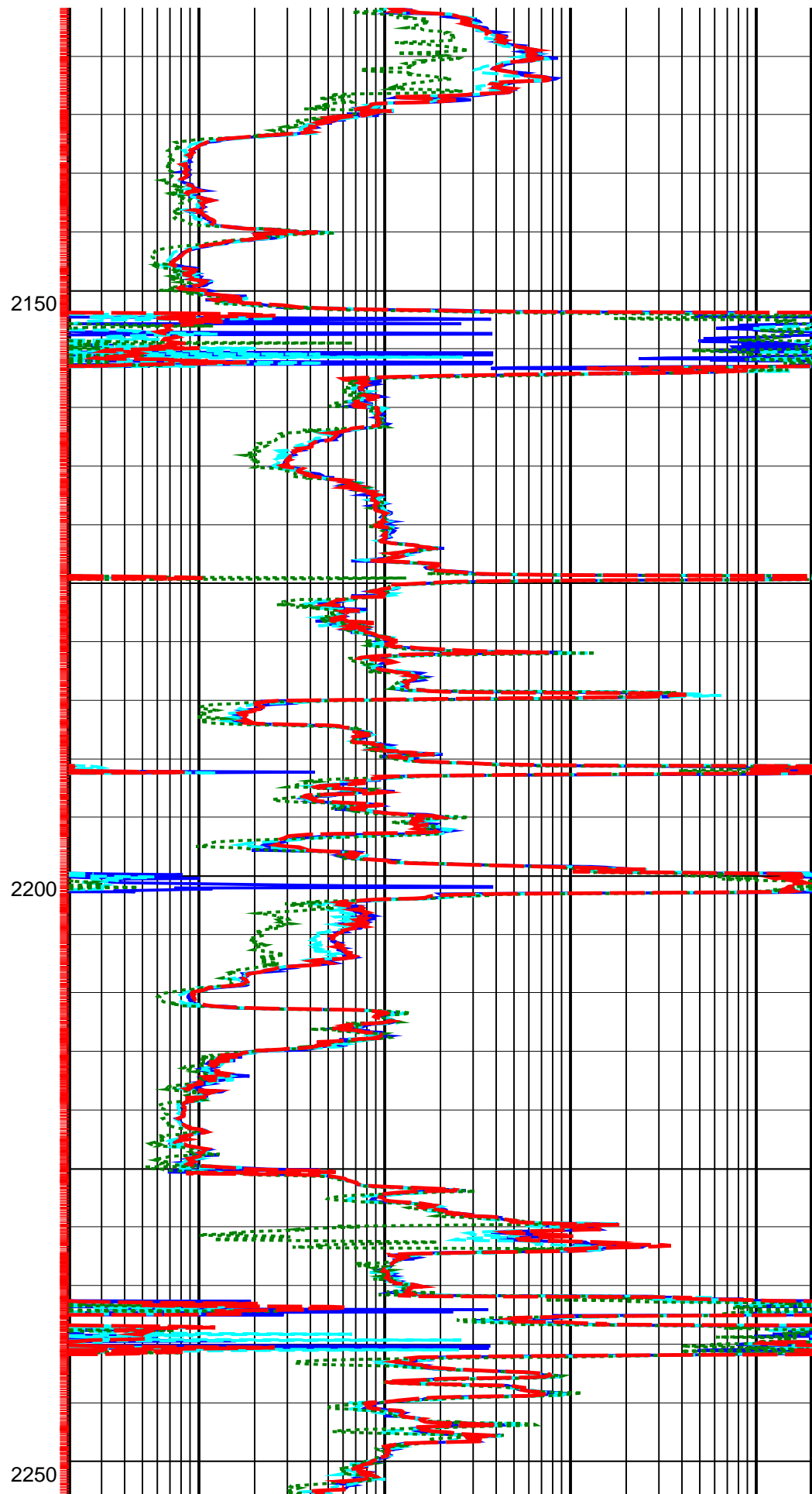
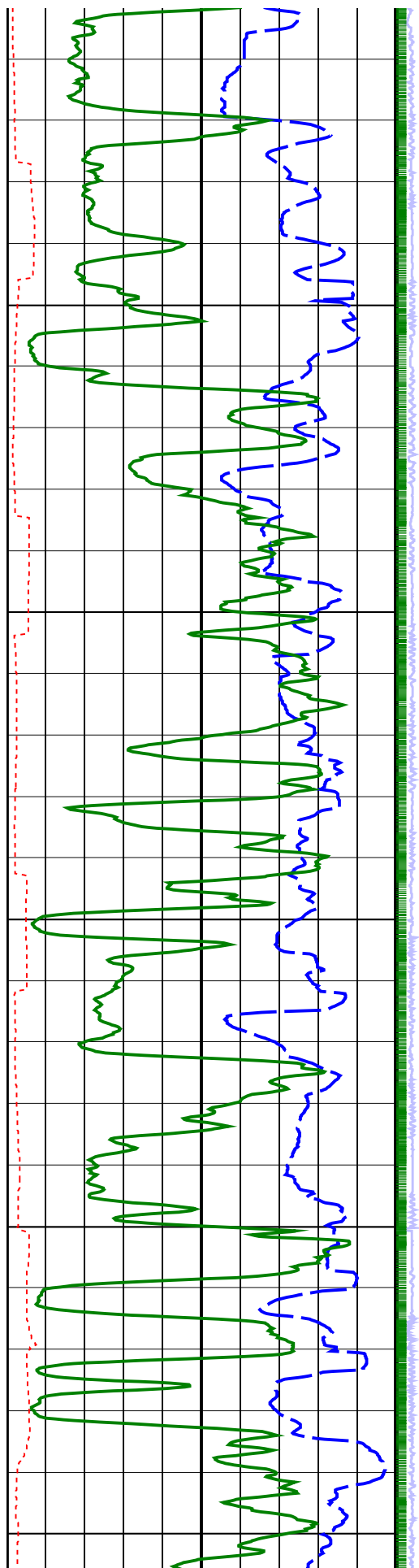


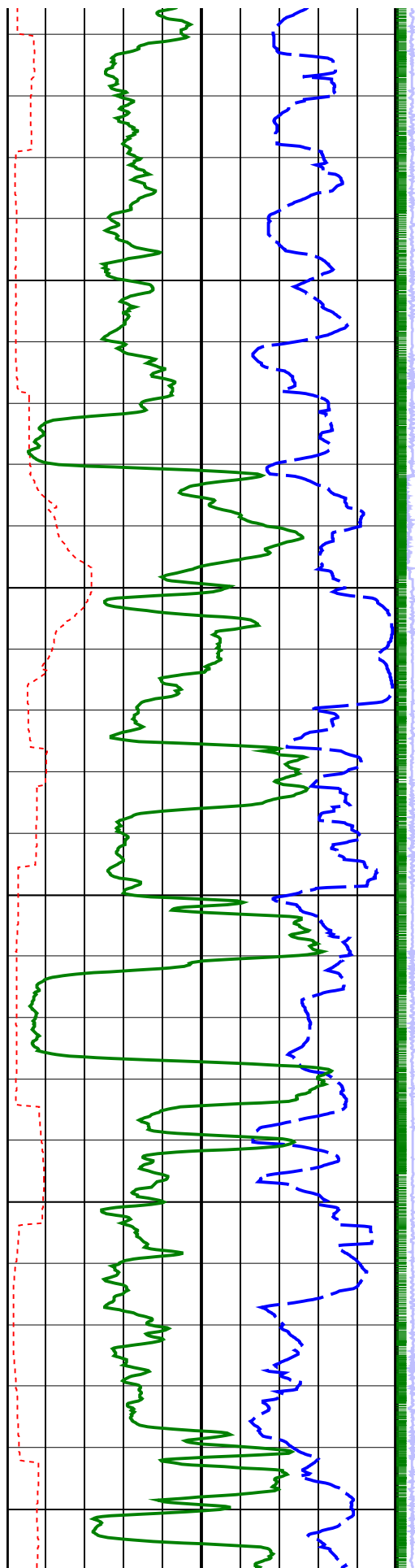






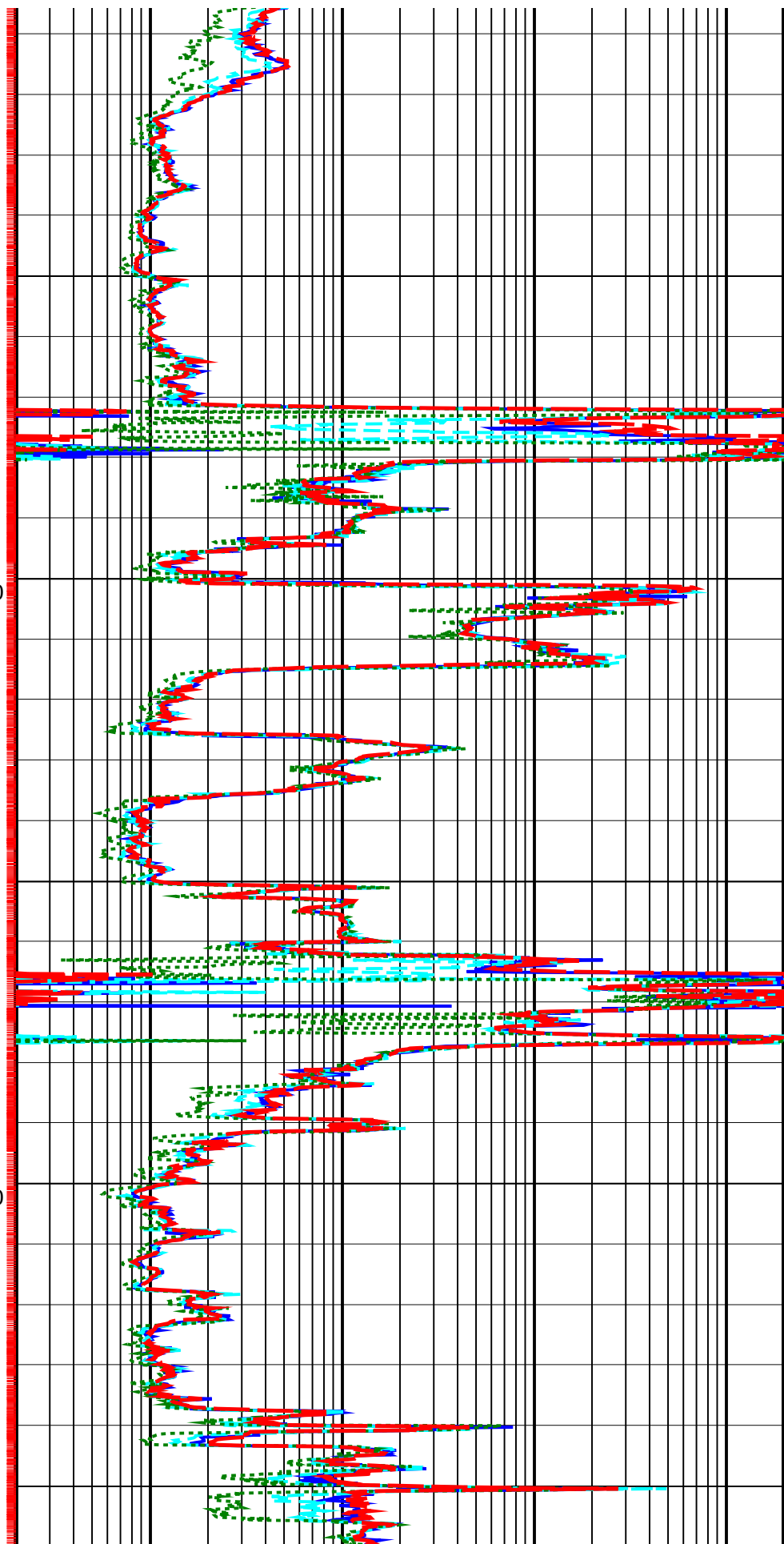


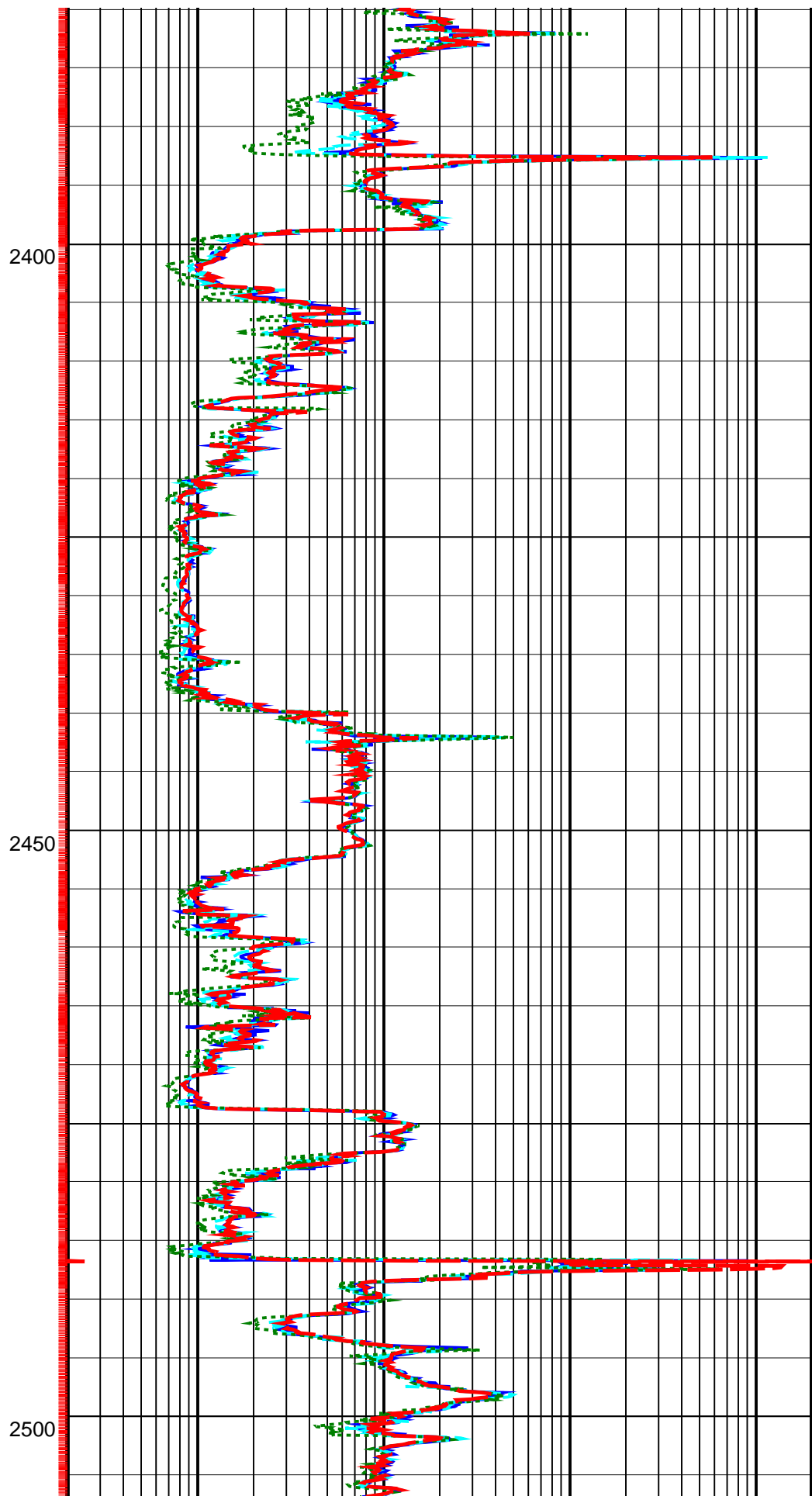
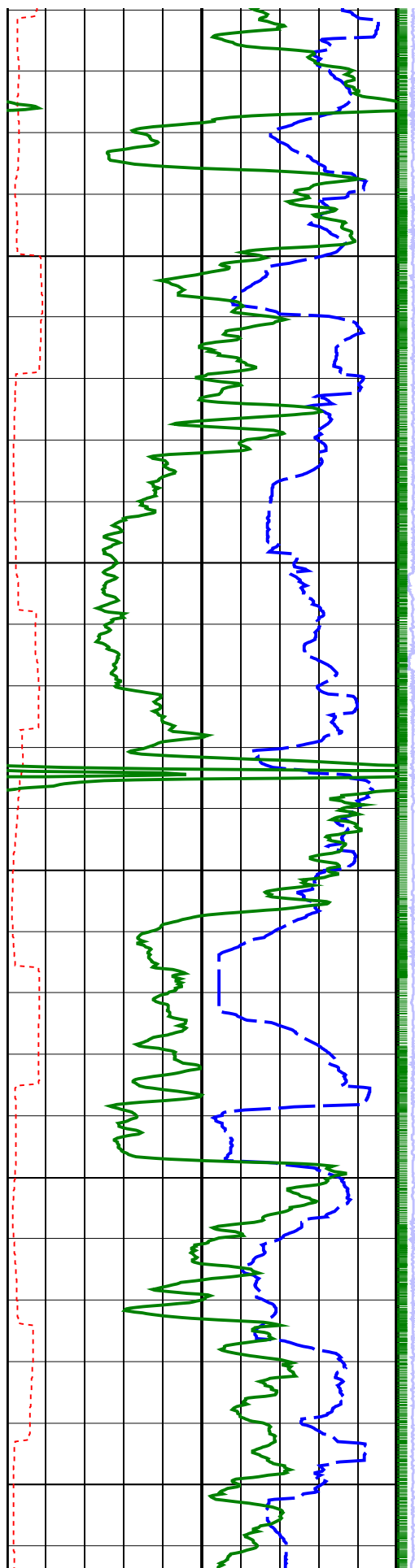


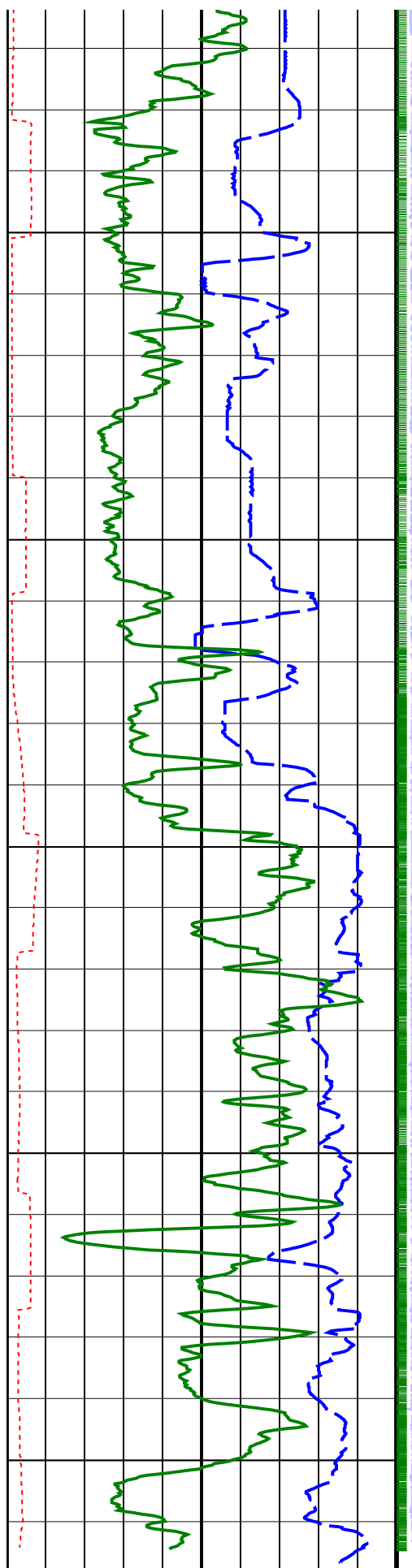


2300

2350

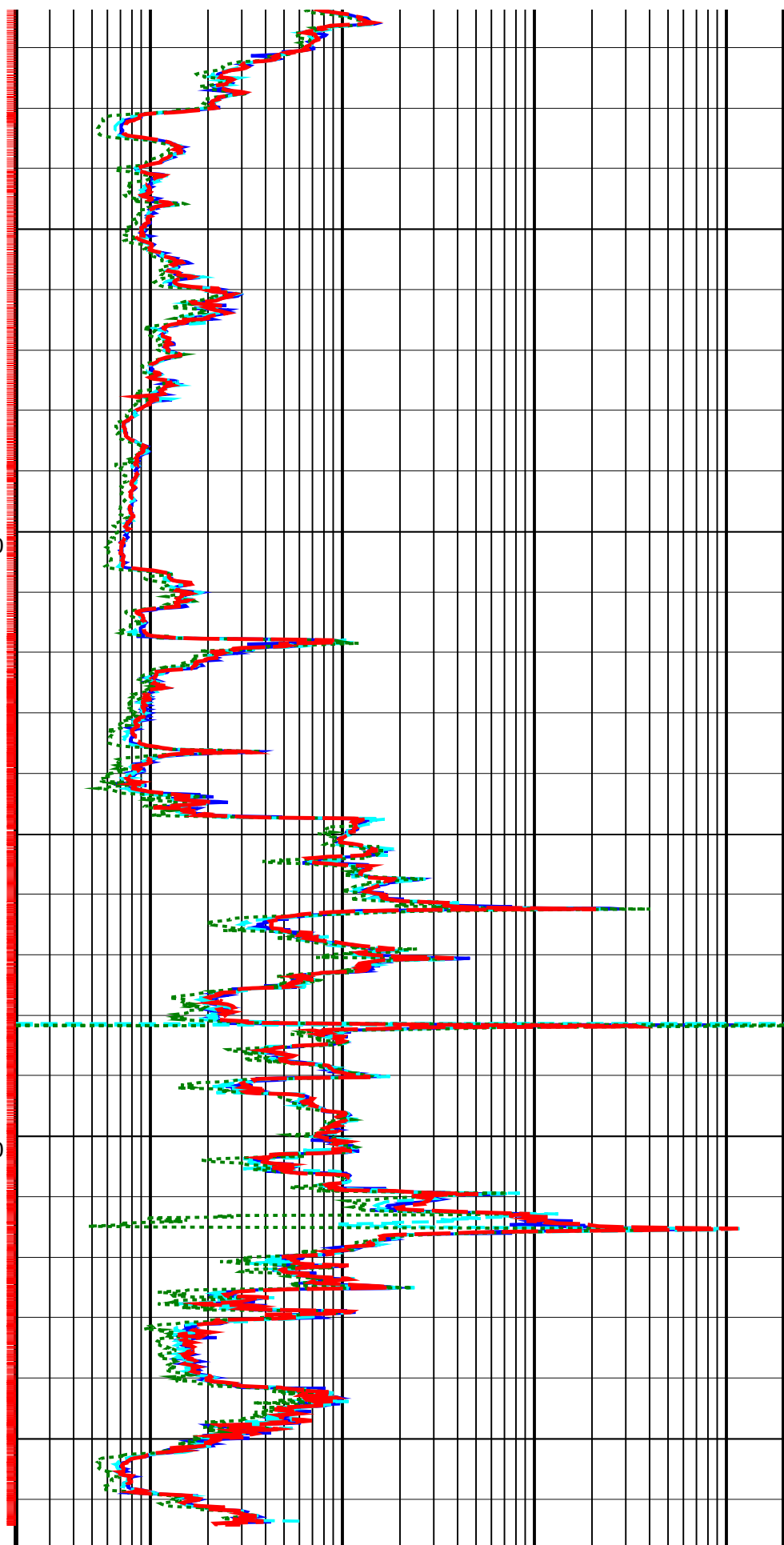


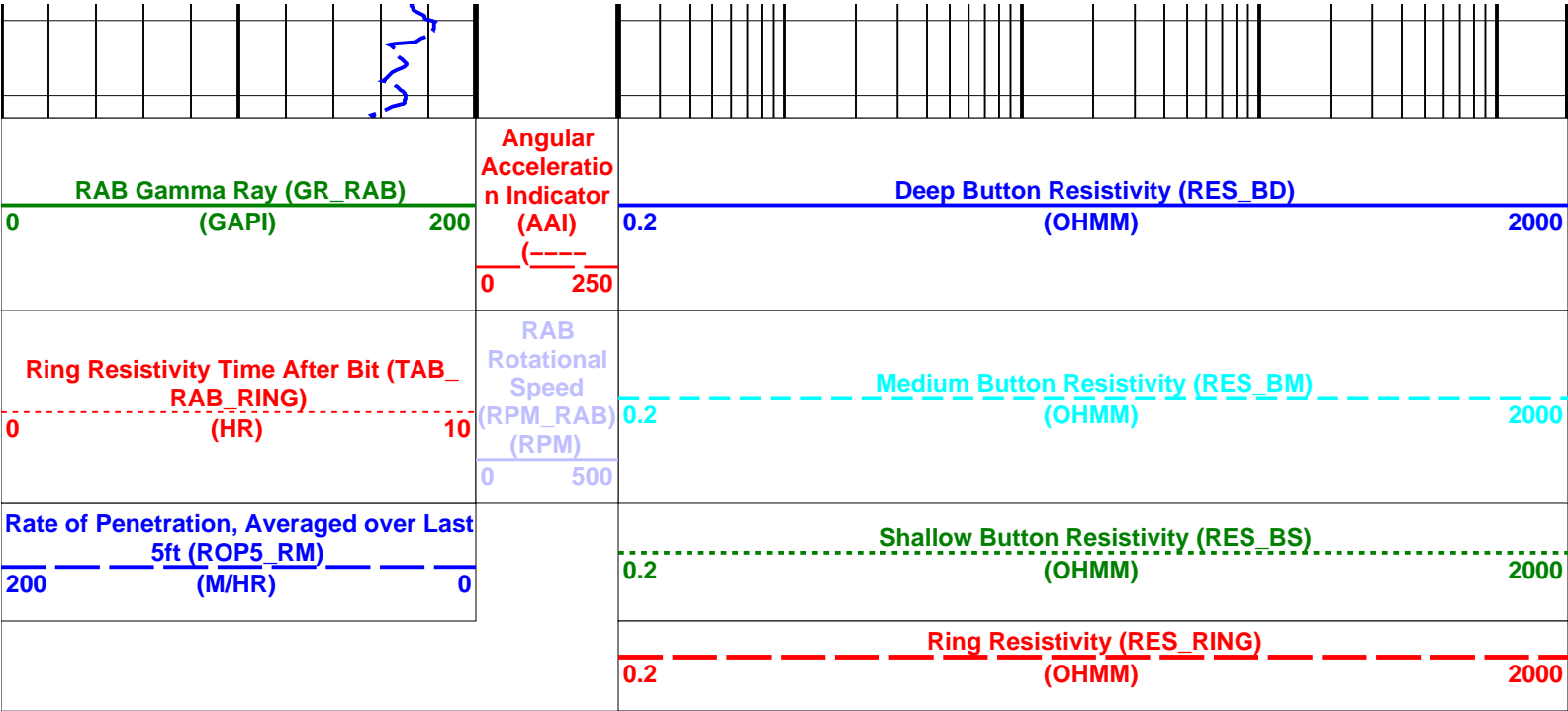




2550

2600





PIP SUMMARY

└ Gamma Ray Samples

└ Ring Samples

IDEAL Version: ID10_OC_04

IDF

RAB id10_Oc_04 MWD_10 id10_Oc_04

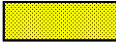
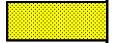
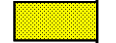
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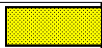

| | | |
|---|------------|--------|
| 6.75-in. Azimuthal Density Neutron / Equipment Identification | | |
| Primary Equipment: | | |
| Tool Name and Serial Number | ADN6 - CA | 0403 |
| Collar Type and Serial Number | ADDC - AA | 0403 |
| Chassis Type and Serial Number | ADSE - EA | 18 |
| Stabilizer Type and Serial Number | Clamp-On | 699198 |
| Neutron Logging Source | NSR - M | 202 |
| Density Logging Source | GSR - JZ | 1994 |
| Stabilizer Size | 8.25 - in. | |
| Calibration Status | Valid | |

















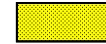
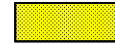






| | | | | |
|--|----------------------|-----------|-----------|----------------------|
| Master: 21-Jun-2005 11:22 | | | | |
| 6.75-in. Azimuthal Density Neutron Calibration | | | | |
| Density: Magnesium Block | | | | |
| Phase | LS window 3 - Mg CPS | Value | Phase | SS window 1 - Mg CPS |
| Master | | 1052 | Master | |
| 250.0 | 4125 | 8000 | 700.0 | 9350 |
| (Minimum) | (Nominal) | (Maximum) | (Minimum) | (Nominal) |


| | | | | |
|--|----------------------|-----------|-----------|----------------------|
| Master: 21-Jun-2005 11:22 | | | | |
| 6.75-in. Azimuthal Density Neutron Calibration | | | | |
| Density: Aluminum Block | | | | |
| Phase | LS window 3 - Al CPS | Value | Phase | SS window 1 - Al CPS |
| Master | | 163.3 | Master | |
| 50.00 | 725.0 | 1400 | 500.0 | 4250 |
| (Minimum) | (Nominal) | (Maximum) | (Minimum) | (Nominal) |

| | | | | |
|--|--|--|--|--|
| Master: 21-Jun-2005 11:22 | | | | |
| 6.75-in. Azimuthal Density Neutron Calibration | | | | |
| Density: Background | | | | |

| Phase | LS window 3 – Background | CPS | Value | Phase | SS window 1 – Background | CPS | Value | Phase | SS window 3 – Background | CPS | Value |
|--------|---|--------------------|--------------------|--------|---|--------------------|--------------------|--------|---|--------------------|-------------------|
| Master |  | | 33.84 | Master |  | | 106.5 | Master |  | | 474.2 |
| | 15.00 (Minimum) | 82.50 (Nominal) | 150.0 (Maximum) | | 40.00 (Minimum) | 220.0 (Nominal) | 400.0 (Maximum) | | 150.0 (Minimum) | 825.0 (Nominal) | 1500 (Maximum) |

| Master: 21–Jun–2005 11:22 | | | | | | | | | | | |
|--|---|--|--------------------|--------------------|--------|---|--|--------------------|--------------------|--|--|
| 6.75–in. Azimuthal Density Neutron Calibration | | | | | | | | | | | |
| Density: Water Block Check | | | | | | | | | | | |
| Phase | Long spacing water density G/C3 | | | Value | Phase | Short spacing water density G/C3 | | | Value | | |
| Master |  | | | 1.039 | Master |  | | | 1.126 | | |
| | 1.024 (Minimum) | | 1.039 (Nominal) | 1.054 (Maximum) | | 1.096 (Minimum) | | 1.126 (Nominal) | 1.156 (Maximum) | | |

| | | | | | | | | | | | | | | |
|--|---|--------------------|--------------------|-------|--------|---|--------------------|--------------------|-------|--------|---|--------------------|--------------------|-------|
| Master: 21–Jun–2005 11:22 | | | | | | | | | | | | | | |
| 6.75–in. Azimuthal Density Neutron Calibration | | | | | | | | | | | | | | |
| Neutron: 3–Point Calibration | | | | | | | | | | | | | | |
| Phase | Far 1 tube 1 | Air Point Measure | CPS | Value | Phase | Far 1 tube 1 | Rod Point Measure | CPS | Value | Phase | Far 1 tube 1 | H2O Point Measure | CPS | Value |
| Master |  | | | 17.01 | Master |  | | | 4.142 | Master |  | | | 2.060 |
| | 15.00 (Minimum) | 19.05 (Nominal) | 21.00 (Maximum) | | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | | 1.900 (Minimum) | 2.363 (Nominal) | 2.700 (Maximum) | |
| Phase | Far 1 tube 2 | Air Point Measure | CPS | Value | Phase | Far 1 tube 2 | Rod Point Measure | CPS | Value | Phase | Far 1 tube 2 | H2O Point Measure | CPS | Value |
| Master |  | | | 18.12 | Master |  | | | 4.335 | Master |  | | | 2.137 |
| | 16.00 (Minimum) | 19.05 (Nominal) | 22.00 (Maximum) | | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | | 1.900 (Minimum) | 2.363 (Nominal) | 2.800 (Maximum) | |
| Phase | Far 1 tube 3 | Air Point Measure | CPS | Value | Phase | Far 1 tube 3 | Rod Point Measure | CPS | Value | Phase | Far 1 tube 3 | H2O Point Measure | CPS | Value |
| Master |  | | | 17.15 | Master |  | | | 4.188 | Master |  | | | 2.066 |
| | 15.00 (Minimum) | 19.05 (Nominal) | 21.00 (Maximum) | | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | | 1.900 (Minimum) | 2.363 (Nominal) | 2.700 (Maximum) | |
| Phase | Far 2 tube 1 | Air Point Measure | CPS | Value | Phase | Far 2 tube 1 | Rod Point Measure | CPS | Value | Phase | Far 2 tube 1 | H2O Point Measure | CPS | Value |
| Master |  | | | 17.52 | Master |  | | | 4.365 | Master |  | | | 2.173 |
| | 15.00 (Minimum) | 19.05 (Nominal) | 21.00 (Maximum) | | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | | 1.900 (Minimum) | 2.363 (Nominal) | 2.700 (Maximum) | |
| Phase | Far 2 tube 2 | Air Point Measure | CPS | Value | Phase | Far 2 tube 2 | Rod Point Measure | CPS | Value | Phase | Far 2 tube 2 | H2O Point Measure | CPS | Value |
| Master |  | | | 18.07 | Master |  | | | 4.211 | Master |  | | | 1.982 |
| | 16.00 (Minimum) | 19.05 (Nominal) | 22.00 (Maximum) | | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | | 1.900 (Minimum) | 2.363 (Nominal) | 2.800 (Maximum) | |
| Phase | Far 2 tube 3 | Air Point Measure | CPS | Value | Phase | Far 2 tube 3 | Rod Point Measure | CPS | Value | Phase | Far 2 tube 3 | H2O Point Measure | CPS | Value |
| Master |  | | | 17.03 | Master |  | | | 4.348 | Master |  | | | 2.060 |
| | 15.00 (Minimum) | 19.05 (Nominal) | 21.00 (Maximum) | | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | | 1.900 (Minimum) | 2.363 (Nominal) | 2.700 (Maximum) | |
| Phase | Near 1 tube 1 | Air Point Measure | CPS | Value | Phase | Near 1 tube 1 | Rod Point Measure | CPS | Value | Phase | Near 1 tube 1 | H2O Point Measure | CPS | Value |
| Master |  | | | 458.8 | Master |  | | | 722.7 | Master |  | | | 319.9 |
| | 400.0 (Minimum) | 487.5 (Nominal) | 540.0 (Maximum) | | | 610.0 (Minimum) | 768.8 (Nominal) | 850.0 (Maximum) | | | 270.0 (Minimum) | 343.7 (Nominal) | 390.0 (Maximum) | |
| Phase | Near 2 tube 1 | Air Point Measure | CPS | Value | Phase | Near 2 tube 1 | Rod Point Measure | CPS | Value | Phase | Near 2 tube 1 | H2O Point Measure | CPS | Value |
| Master |  | | | 454.0 | Master |  | | | 727.3 | Master |  | | | 320.0 |
| | 400.0 (Minimum) | 487.5 (Nominal) | 540.0 (Maximum) | | | 610.0 (Minimum) | 768.8 (Nominal) | 850.0 (Maximum) | | | 270.0 (Minimum) | 343.7 (Nominal) | 390.0 (Maximum) | |

| Master: 21–Jun–2005 11:22 | | | | | | | | | | | |
|--|---|--|--|--------------------|--|--|--------------------|--|--|-------|--|
| 6.75–in. Azimuthal Density Neutron Calibration | | | | | | | | | | | |
| Neutron: Water Block Check | | | | | | | | | | | |
| Phase | Far Neutron water porosity PU | | | | | | | | | Value | |
| Master |  | | | | | | | | | 92.83 | |
| | 90.00 (Minimum) | | | 100.0 (Nominal) | | | 125.0 (Maximum) | | | | |

6.75-in. Resistivity At-the-Bit / Equipment Identification

Primary Equipment:

Tool Name and Serial Number

RAB6 – CA

191

Calibration Status

Valid

Master: 29-Jul-2005 15:21

6.75-in. Resistivity At-the-Bit Calibration

Resistivity: Fixture

| Phase | Ring/T1 factor ---- | Value | Phase | Ring/T2 factor ---- | Value | Phase | M0/T1 factor ---- | Value |
|--------|--|--------|--------|--|--------|--------|--|--------|
| Master | | 0.9949 | Master | | 0.9924 | Master | | 1.006 |
| | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | |
| Phase | M0/T2 factor ---- | Value | Phase | M2/T1 factor ---- | Value | Phase | M2/T2 factor ---- | Value |
| Master | | 1.003 | Master | | 1.007 | Master | | 1.003 |
| | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | |
| Phase | BTN shallow/T1 factor ---- | Value | Phase | BTN shallow/T2 factor ---- | Value | Phase | BTN medium/T1 factor ---- | Value |
| Master | | 1.002 | Master | | 0.9996 | Master | | 0.9951 |
| | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | |
| Phase | BTN medium/T2 factor ---- | Value | Phase | BTN deep/T1 factor ---- | Value | Phase | BTN deep/T2 factor ---- | Value |
| Master | | 0.9922 | Master | | 1.012 | Master | | 1.009 |
| | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | |

Master: 29-Jul-2005 15:21

6.75-in. Resistivity At-the-Bit Calibration

Gamma Ray: Blanket

| Phase | Gamma ray factor ---- | Value |
|--------|--|--------|
| Master | | 0.9256 |
| | 0.7500 (Minimum) 1.000 (Nominal) 1.250 (Maximum) | |

6.75-in. Azimuthal Density Neutron / Equipment Identification

Primary Equipment:

Tool Name and Serial Number

ADN6 – CA

EE55

Collar Type and Serial Number

ADDC – AA

EE55

Chassis Type and Serial Number

ADSE – EA

380

Stabilizer Type and Serial Number

IBS

202

Neutron Logging Source

NSR – M

1994

Density Logging Source

GSR – JZ

8-3/16 – in.

Stabilizer Size

Valid

Calibration Status




Master: 19-Jun-2005 14:46




6.75-in. Azimuthal Density Neutron Calibration



Density: Magnesium Block

























| Phase | LS window 3 – Mg CPS | Value | Phase | SS window 1 – Mg CPS | Value | Phase | SS window 3 – Mg CPS | Value |
|--------|---|-------|--------|--|-------|--------|--|-------|
| Master | | 1069 | Master | | 2586 | Master | | 6392 |
| | 250.0 (Minimum) 4125 (Nominal) 8000 (Maximum) | | | 700.0 (Minimum) 9350 (Nominal) 18000 (Maximum) | | | 2500 (Minimum) 23750 (Nominal) 45000 (Maximum) | |

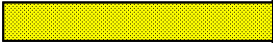
Master: 19-Jun-2005 14:46

| 6.75-in. Azimuthal Density Neutron Calibration | | | | | | | | | | | | | | |
|--|---|--------------------|-------------------|-------|--------------------|---|-------------------|--|-------------------|--------------------|---|--|--|-------|
| Density: Aluminum Block | | | | | | | | | | | | | | |
| Phase | LS window 3 – Al CPS | | | Value | Phase | SS window 1 – Al CPS | | | Value | Phase | SS window 3 – Al CPS | | | Value |
| Master |  | | | 160.3 | Master |  | | | 1306 | Master |  | | | 4004 |
| | 50.00 (Minimum) | 725.0 (Nominal) | 1400 (Maximum) | | 500.0 (Minimum) | 4250 (Nominal) | 8000 (Maximum) | | 1500 (Minimum) | 15750 (Nominal) | 30000 (Maximum) | | | |













| Master: 19-Jun-2005 14:46 | | | | | | | | | | | |
|--|---|--------------------|--------------------|--------|---|--------------------|--------------------|--------|---|--------------------|-------------------|
| 6.75-in. Azimuthal Density Neutron Calibration | | | | | | | | | | | |
| Density: Background | | | | | | | | | | | |
| Phase | LS window 3 – Background CPS | | Value | Phase | SS window 1 – Background CPS | | Value | Phase | SS window 3 – Background CPS | | Value |
| Master |  | | 50.02 | Master |  | | 127.9 | Master |  | | 555.3 |
| | 15.00 (Minimum) | 82.50 (Nominal) | 150.0 (Maximum) | | 40.00 (Minimum) | 220.0 (Nominal) | 400.0 (Maximum) | | 150.0 (Minimum) | 825.0 (Nominal) | 1500 (Maximum) |


| Master: 19-Jun-2005 14:46 | | | | | | | | | | | |
|--|---|--|--------------------|--------------------|--------|---|--|--------------------|--------------------|--|--|
| 6.75-in. Azimuthal Density Neutron Calibration | | | | | | | | | | | |
| Density: Water Block Check | | | | | | | | | | | |
| Phase | Long spacing water density G/C3 | | | Value | Phase | Short spacing water density G/C3 | | | Value | | |
| Master |  | | | 1.031 | Master |  | | | 1.130 | | |
| | 1.024 (Minimum) | | 1.039 (Nominal) | 1.054 (Maximum) | | 1.096 (Minimum) | | 1.126 (Nominal) | 1.156 (Maximum) | | |

| Master: 19-Jun-2005 14:46 | | | | | | | | | | | |
|--|---|--------------------|--------------------|--------|---|--------------------|--------------------|--------|---|--------------------|--------------------|
| 6.75-in. Azimuthal Density Neutron Calibration | | | | | | | | | | | |
| Neutron: 3-Point Calibration | | | | | | | | | | | |
| Phase | Far 1 tube 1 Air Point Measure CPS | | Value | Phase | Far 1 tube 1 Rod Point Measure CPS | | Value | Phase | Far 1 tube 1 H2O Point Measure CPS | | Value |
| Master |  | | 17.72 | Master |  | | 4.474 | Master |  | | 2.147 |
| | 15.00 (Minimum) | 19.05 (Nominal) | 21.00 (Maximum) | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | 1.900 (Minimum) | 2.363 (Nominal) | 2.700 (Maximum) |
| Phase | Far 1 tube 2 Air Point Measure CPS | | Value | Phase | Far 1 tube 2 Rod Point Measure CPS | | Value | Phase | Far 1 tube 2 H2O Point Measure CPS | | Value |
| Master |  | | 18.93 | Master |  | | 4.707 | Master |  | | 2.299 |
| | 16.00 (Minimum) | 19.05 (Nominal) | 22.00 (Maximum) | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | 1.900 (Minimum) | 2.363 (Nominal) | 2.800 (Maximum) |
| Phase | Far 1 tube 3 Air Point Measure CPS | | Value | Phase | Far 1 tube 3 Rod Point Measure CPS | | Value | Phase | Far 1 tube 3 H2O Point Measure CPS | | Value |
| Master |  | | 18.55 | Master |  | | 4.486 | Master |  | | 2.279 |
| | 15.00 (Minimum) | 19.05 (Nominal) | 21.00 (Maximum) | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | 1.900 (Minimum) | 2.363 (Nominal) | 2.700 (Maximum) |
| Phase | Far 2 tube 1 Air Point Measure CPS | | Value | Phase | Far 2 tube 1 Rod Point Measure CPS | | Value | Phase | Far 2 tube 1 H2O Point Measure CPS | | Value |
| Master |  | | 17.65 | Master |  | | 4.416 | Master |  | | 2.151 |
| | 15.00 (Minimum) | 19.05 (Nominal) | 21.00 (Maximum) | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | 1.900 (Minimum) | 2.363 (Nominal) | 2.700 (Maximum) |
| Phase | Far 2 tube 2 Air Point Measure CPS | | Value | Phase | Far 2 tube 2 Rod Point Measure CPS | | Value | Phase | Far 2 tube 2 H2O Point Measure CPS | | Value |
| Master |  | | 18.97 | Master |  | | 4.543 | Master |  | | 2.222 |
| | 16.00 (Minimum) | 19.05 (Nominal) | 22.00 (Maximum) | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | 1.900 (Minimum) | 2.363 (Nominal) | 2.800 (Maximum) |
| Phase | Far 2 tube 3 Air Point Measure CPS | | Value | Phase | Far 2 tube 3 Rod Point Measure CPS | | Value | Phase | Far 2 tube 3 H2O Point Measure CPS | | Value |
| Master |  | | 18.19 | Master |  | | 4.596 | Master |  | | 2.253 |
| | 15.00 (Minimum) | 19.05 (Nominal) | 21.00 (Maximum) | | 4.000 (Minimum) | 4.857 (Nominal) | 5.500 (Maximum) | | 1.900 (Minimum) | 2.363 (Nominal) | 2.700 (Maximum) |
| Phase | Near 1 tube 1 Air Point Measure CPS | | Value | Phase | Near 1 tube 1 Rod Point Measure CPS | | Value | Phase | Near 1 tube 1 H2O Point Measure CPS | | Value |
| Master |  | | 455.2 | Master |  | | 728.7 | Master |  | | 326.1 |
| | 400.0 (Minimum) | 487.5 (Nominal) | 540.0 (Maximum) | | 610.0 (Minimum) | 768.8 (Nominal) | 850.0 (Maximum) | | 270.0 (Minimum) | 343.7 (Nominal) | 390.0 (Maximum) |
| Phase | Near 2 tube 1 Air Point Measure CPS | | Value | Phase | Near 2 tube 1 Rod Point Measure CPS | | Value | Phase | Near 2 tube 1 H2O Point Measure CPS | | Value |
| Master |  | | 474.0 | Master |  | | 746.7 | Master |  | | 342.4 |
| | 400.0 (Minimum) | 487.5 (Nominal) | 540.0 (Maximum) | | 610.0 (Minimum) | 768.8 (Nominal) | 850.0 (Maximum) | | 270.0 (Minimum) | 343.7 (Nominal) | 390.0 (Maximum) |

| | | |
|--|---|-------|
| Master: 19-Jun-2005 14:46 | | |
| 6.75-in. Azimuthal Density Neutron Calibration | | |
| Neutron: Water Block Check | | |
| Phase | Far Neutron water porosity PU | Value |
| Master |  | 94.31 |
| | 90.00 (Minimum) 100.0 (Nominal) 125.0 (Maximum) | |

| | | |
|---|-----------|-----|
| 6.75-in. Resistivity At-the-Bit / Equipment Identification | | |
| Primary Equipment: | | |
| Tool Name and Serial Number | RAB6 - CA | 147 |
| Calibration Status | Valid | |

| | | | | | | | | |
|---|---|-------|--------|---|--------|--------|---|--------|
| Master: 29-Jul-2005 17:20 | | | | | | | | |
| 6.75-in. Resistivity At-the-Bit Calibration | | | | | | | | |
| Resistivity: Fixture | | | | | | | | |
| Phase | Ring/T1 factor ---- | Value | Phase | Ring/T2 factor ---- | Value | Phase | M0/T1 factor ---- | Value |
| Master |  | 1.012 | Master |  | 1.011 | Master |  | 1.002 |
| | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | |
| Phase | M0/T2 factor ---- | Value | Phase | M2/T1 factor ---- | Value | Phase | M2/T2 factor ---- | Value |
| Master |  | 1.002 | Master |  | 0.9986 | Master |  | 0.9982 |
| | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | |
| Phase | BTN shallow/T1 factor ---- | Value | Phase | BTN shallow/T2 factor ---- | Value | Phase | BTN medium/T1 factor ---- | Value |
| Master |  | 1.009 | Master |  | 1.009 | Master |  | 1.002 |
| | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | |
| Phase | BTN medium/T2 factor ---- | Value | Phase | BTN deep/T1 factor ---- | Value | Phase | BTN deep/T2 factor ---- | Value |
| Master |  | 1.001 | Master |  | 1.001 | Master |  | 0.9999 |
| | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | | | 0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum) | |

| | | |
|---|---|--------|
| Master: 29-Jul-2005 17:20 | | |
| 6.75-in. Resistivity At-the-Bit Calibration | | |
| Gamma Ray: Blanket | | |
| Phase | Gamma ray factor ---- | Value |
| Master |  | 0.9611 |
| | 0.7500 (Minimum) 1.000 (Nominal) 1.250 (Maximum) | |

SCHLUMBERGER

Survey report 9-Aug-2005 16:39:27 Page 1 of 5

Client.....: ESSO Australia Pty. Ltd.
 Field.....: Bream B

Well.....: BMB-B16 Spud date.....: 05-Jul-2005
 API number.....: Last survey date.....: 09-Aug-05
 Engineer.....: J.Dolan, M.Y.Tan, D.Hastie Total accepted surveys...: 92

RIG:..... ENSCO 102
STATE:..... Victoria

MD of first survey..... 0.00 m
MD of last survey..... 2641.00 m

----- Survey calculation methods-----
Method for positions..... Minimum curvature
Method for DLS..... Mason & Taylor

----- Geomagnetic data -----
Magnetic model..... BGGM version 2005
Magnetic date..... 29-Jul-2005
Magnetic field strength... 1203.00 HCNT
Magnetic dec (+E/W-)..... 13.10 degrees
Magnetic dip..... -69.05 degrees

----- Depth reference -----
Permanent datum..... Mean Sea Level
Depth reference..... Driller's Depth
GL above permanent..... -61.00 m
KB above permanent..... Top Drive
DF above permanent..... 47.17 m

----- MWD survey Reference Criteria -----
Reference G..... 1000.05 mGal
Reference H..... 1203.00 HCNT
Reference Dip..... -69.05 degrees
Tolerance of G..... (+/-) 2.50 mGal
Tolerance of H..... (+/-) 6.00 HCNT
Tolerance of Dip..... (+/-) 0.45 degrees

----- Vertical section origin-----
Latitude (+N/S-)..... -7.80 m
Departure (+E/W-)..... -0.30 m

----- Corrections -----
Magnetic dec (+E/W-)..... 13.10 degrees
Grid convergence (+E/W-).. -0.52 degrees
Total az corr (+E/W-)..... 13.62 degrees
(Total az corr = magnetic dec - grid conv)
Survey Correction Type ...:
I=Sag Corrected Inclination
M=Schlumberger Magnetic Correction
S=Shell Magnetic Correction
F=Failed Axis Correction
R=Magnetic Resonance Tool Correction
D=Dmag Magnetic Correction

----- Platform reference point-----
Latitude (+N/S-).....
Departure (+E/W-).....

Azimuth from Vsect Origin to target: 119.19 degrees

[(c)2005 IDEAL ID10_2C_01]
SCHLUMBERGER Survey Report

9-Aug-2005 16:39:27

Page 2 of 5

| Seq # | Measured depth (m) | Incl angle (deg) | Azimuth angle (deg) | Course length (m) | TVD depth (m) | Vertical section (m) | Displ +N/S- (m) | Displ +E/W- (m) | Total displ (m) | At Azim (deg) | DLS (deg/ 100f) | Srvy tool type | Tool Corr (deg) |
|----------|--------------------------|------------------------|---------------------------|-------------------------|---------------------|----------------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -7.80 | -0.30 | 7.81 | 182.20 | 0.00 | TIP | None |
| 2 | 107.50 | 0.00 | 0.00 | 107.50 | 107.50 | 0.00 | -7.80 | -0.30 | 7.81 | 182.20 | 0.00 | GYR | None |
| 3 | 110.30 | 0.15 | 158.53 | 2.80 | 110.30 | 0.00 | -7.80 | -0.30 | 7.81 | 182.19 | 1.63 | GYR | None |
| 4 | 138.80 | 0.18 | 157.67 | 28.50 | 138.80 | 0.07 | -7.88 | -0.27 | 7.88 | 181.95 | 0.03 | GYR | None |
| 5 | 157.60 | 0.16 | 154.47 | 18.80 | 157.60 | 0.11 | -7.93 | -0.25 | 7.93 | 181.77 | 0.04 | GYR | None |
| 6 | 174.50 | 0.11 | 156.53 | 16.90 | 174.50 | 0.14 | -7.97 | -0.23 | 7.97 | 181.65 | 0.09 | GYR | None |
| 7 | 183.49 | 0.57 | 272.31 | 8.99 | 183.49 | 0.11 | -7.97 | -0.27 | 7.98 | 181.94 | 2.12 | GYR | None |
| 8 | 214.10 | 2.13 | 263.97 | 30.61 | 214.09 | -0.49 | -8.03 | -0.99 | 8.09 | 187.02 | 1.56 | GYR | None |
| 9 | 244.30 | 4.13 | 267.49 | 30.20 | 244.24 | -1.87 | -8.13 | -2.63 | 8.55 | 197.94 | 2.03 | GYR | None |
| 10 | 273.44 | 6.20 | 258.68 | 29.14 | 273.26 | -3.96 | -8.49 | -5.22 | 9.97 | 211.61 | 2.31 | GYR | None |
| 11 | 302.32 | 6.79 | 248.99 | 28.88 | 301.96 | -6.24 | -9.41 | -8.35 | 12.58 | 221.59 | 1.31 | GYR | None |
| 12 | 320.98 | 6.50 | 238.20 | 18.66 | 320.49 | -7.46 | -10.36 | -10.27 | 14.59 | 224.77 | 2.09 | MWD | None |
| 13 | 360.36 | 6.56 | 225.35 | 39.38 | 359.62 | -9.17 | -13.11 | -13.77 | 19.02 | 226.40 | 1.13 | GYR | None |
| 14 | 389.61 | 6.38 | 219.35 | 29.25 | 388.69 | -9.92 | -15.54 | -15.99 | 22.30 | 225.81 | 0.73 | GYR | None |
| 15 | 418.79 | 6.26 | 225.03 | 29.18 | 417.69 | -10.64 | -17.92 | -18.14 | 25.50 | 225.35 | 0.66 | GYR | None |
| 16 | 447.48 | 6.24 | 222.63 | 28.69 | 446.21 | -11.43 | -20.18 | -20.30 | 28.62 | 225.18 | 0.28 | GYR | None |
| 17 | 476.58 | 6.16 | 224.05 | 29.10 | 475.14 | -12.20 | -22.46 | -22.46 | 31.77 | 225.00 | 0.18 | GYR | None |
| 18 | 505.66 | 6.06 | 219.91 | 29.08 | 504.05 | -12.88 | -24.76 | -24.53 | 34.85 | 224.73 | 0.47 | GYR | None |
| 19 | 534.65 | 6.06 | 217.45 | 28.99 | 532.88 | -13.39 | -27.15 | -26.44 | 37.90 | 224.25 | 0.27 | GYR | None |
| 20 | 563.70 | 6.02 | 217.76 | 29.05 | 561.77 | -13.83 | -29.57 | -28.31 | 40.94 | 223.75 | 0.05 | GYR | None |
| 21 | 592.73 | 5.72 | 226.27 | 29.03 | 590.65 | -14.49 | -31.77 | -30.29 | 43.90 | 223.63 | 0.97 | GYR | None |
| 22 | 621.85 | 5.72 | 231.95 | 29.12 | 619.62 | -15.47 | -33.67 | -32.48 | 46.78 | 223.97 | 0.59 | GYR | None |
| 23 | 650.71 | 5.56 | 228.28 | 28.86 | 648.34 | -16.49 | -35.49 | -34.65 | 49.60 | 224.32 | 0.42 | GYR | None |
| 24 | 680.04 | 5.51 | 231.33 | 29.33 | 677.54 | -17.48 | -37.31 | -36.81 | 52.41 | 224.61 | 0.31 | GYR | None |
| 25 | 697.53 | 5.50 | 228.98 | 17.49 | 694.95 | -18.08 | -38.39 | -38.10 | 54.08 | 224.78 | 0.39 | MWD | None |
| 26 | 726.22 | 5.50 | 228.97 | 28.69 | 723.50 | -19.01 | -40.19 | -40.17 | 56.82 | 224.99 | 0.00 | MWD | None |
| 27 | 755.02 | 5.47 | 224.63 | 28.80 | 752.17 | -19.84 | -42.07 | -42.18 | 59.57 | 225.07 | 0.44 | MWD | None |
| 28 | 784.05 | 5.45 | 220.42 | 29.03 | 781.07 | -20.48 | -44.11 | -44.04 | 62.33 | 224.96 | 0.42 | MWD | None |
| 29 | 812.94 | 5.55 | 224.13 | 28.89 | 809.83 | -21.11 | -46.15 | -45.91 | 65.10 | 224.85 | 0.39 | MWD | None |
| 30 | 856.11 | 5.52 | 225.75 | 43.17 | 852.80 | -22.24 | -49.10 | -48.85 | 69.26 | 224.85 | 0.11 | MWD | None |

[(c)2005 IDEAL ID10_2C_01]
SCHLUMBERGER Survey Report

9-Aug-2005 16:39:27

Page 3 of 5

| Seq # | Measured depth (m) | Incl angle (deg) | Azimuth angle (deg) | Course length (m) | TVD depth (m) | Vertical section (m) | Displ +N/S- (m) | Displ +E/W- (m) | Total displ (m) | At Azim (deg) | DLS (deg/ 100f) | Srvy tool type | Tool Corr (deg) |
|----------|--------------------------|------------------------|---------------------------|-------------------------|---------------------|----------------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|
| 31 | 885.50 | 5.60 | 224.98 | 29.39 | 882.05 | -23.03 | -51.10 | -50.87 | 72.11 | 224.87 | 0.11 | MWD | None |
| 32 | 914.67 | 5.60 | 223.80 | 29.17 | 911.08 | -23.78 | -53.14 | -52.86 | 74.95 | 224.85 | 0.12 | MWD | None |
| 33 | 943.84 | 5.47 | 223.94 | 29.17 | 940.11 | -24.49 | -55.16 | -54.81 | 77.77 | 224.82 | 0.14 | MWD | None |
| 34 | 972.77 | 5.37 | 223.05 | 28.93 | 968.91 | -25.17 | -57.15 | -56.69 | 80.50 | 224.77 | 0.14 | MWD | None |
| 35 | 1001.99 | 5.46 | 223.36 | 29.22 | 998.00 | -25.83 | -59.16 | -58.58 | 83.26 | 224.72 | 0.10 | MWD | None |
| 36 | 1030.57 | 5.41 | 224.95 | 28.58 | 1026.46 | -26.53 | -61.10 | -60.47 | 85.96 | 224.70 | 0.17 | MWD | None |
| 37 | 1059.72 | 5.32 | 225.10 | 29.15 | 1055.48 | -27.28 | -63.03 | -62.40 | 88.69 | 224.71 | 0.10 | MWD | None |
| 38 | 1088.71 | 5.11 | 226.63 | 28.99 | 1084.35 | -28.03 | -64.86 | -64.29 | 91.32 | 224.75 | 0.26 | MWD | None |
| 39 | 1117.66 | 5.03 | 225.28 | 28.95 | 1113.18 | -28.77 | -66.64 | -66.13 | 93.88 | 224.78 | 0.15 | MWD | None |
| 40 | 1146.60 | 5.09 | 226.31 | 28.94 | 1142.01 | -29.50 | -68.42 | -67.96 | 96.43 | 224.81 | 0.11 | MWD | None |

| | | | | | | | | | | | | | |
|----|---------|-------|--------|-------|---------|--------|---------|--------|--------|--------|------|-----|------|
| 41 | 1175.41 | 5.01 | 225.26 | 28.81 | 1170.71 | -30.22 | -70.19 | -69.77 | 98.97 | 224.83 | 0.13 | MWD | None |
| 42 | 1204.65 | 4.90 | 227.98 | 29.24 | 1199.84 | -30.98 | -71.92 | -71.61 | 101.49 | 224.87 | 0.27 | MWD | None |
| 43 | 1233.79 | 4.85 | 227.90 | 29.14 | 1228.87 | -31.78 | -73.58 | -73.45 | 103.96 | 224.95 | 0.05 | MWD | None |
| 44 | 1262.27 | 5.07 | 228.33 | 28.48 | 1257.25 | -32.57 | -75.22 | -75.28 | 106.42 | 225.02 | 0.24 | MWD | None |
| 45 | 1291.51 | 5.31 | 229.22 | 29.24 | 1286.37 | -33.46 | -76.97 | -77.27 | 109.06 | 225.11 | 0.26 | MWD | None |
| 46 | 1320.64 | 5.99 | 219.17 | 29.13 | 1315.36 | -34.19 | -79.03 | -79.25 | 111.92 | 225.08 | 1.25 | MWD | None |
| 47 | 1349.52 | 7.66 | 193.37 | 28.88 | 1344.04 | -33.92 | -82.07 | -80.65 | 115.06 | 224.50 | 3.64 | MWD | None |
| 48 | 1378.46 | 10.94 | 165.80 | 28.94 | 1372.61 | -31.51 | -86.61 | -80.42 | 118.19 | 222.88 | 5.73 | MWD | None |
| 49 | 1407.52 | 13.12 | 139.65 | 29.06 | 1401.05 | -26.52 | -91.80 | -77.61 | 120.21 | 220.21 | 6.09 | MWD | None |
| 50 | 1436.56 | 14.26 | 126.97 | 29.04 | 1429.27 | -19.89 | -96.46 | -72.61 | 120.74 | 216.97 | 3.36 | MWD | None |
| 51 | 1465.33 | 14.22 | 127.37 | 28.77 | 1457.16 | -12.88 | -100.74 | -66.97 | 120.97 | 213.62 | 0.11 | MWD | None |
| 52 | 1494.32 | 13.91 | 123.06 | 28.99 | 1485.28 | -5.88 | -104.80 | -61.22 | 121.37 | 210.29 | 1.15 | MWD | None |
| 53 | 1523.35 | 13.91 | 114.26 | 29.03 | 1513.46 | 1.08 | -108.14 | -55.12 | 121.38 | 207.01 | 2.22 | MWD | None |
| 54 | 1552.33 | 13.77 | 107.16 | 28.98 | 1541.60 | 7.93 | -110.59 | -48.64 | 120.82 | 203.74 | 1.79 | MWD | None |
| 55 | 1581.19 | 13.47 | 106.93 | 28.86 | 1569.65 | 14.57 | -112.58 | -42.15 | 120.21 | 200.52 | 0.32 | MWD | None |
| 56 | 1610.23 | 13.22 | 106.90 | 29.04 | 1597.90 | 21.12 | -114.53 | -35.73 | 119.98 | 197.33 | 0.26 | MWD | None |
| 57 | 1639.24 | 12.97 | 106.76 | 29.01 | 1626.16 | 27.54 | -116.43 | -29.44 | 120.10 | 194.19 | 0.26 | MWD | None |
| 58 | 1668.40 | 14.75 | 106.71 | 29.16 | 1654.47 | 34.36 | -118.45 | -22.75 | 120.61 | 190.87 | 1.86 | MWD | None |
| 59 | 1697.46 | 18.56 | 110.49 | 29.06 | 1682.31 | 42.55 | -121.13 | -14.88 | 122.04 | 187.00 | 4.15 | MWD | None |
| 60 | 1726.01 | 22.22 | 113.20 | 28.55 | 1709.06 | 52.41 | -124.85 | -5.65 | 124.98 | 182.59 | 4.03 | MWD | None |

[(c)2005 IDEAL ID10_2C_01]
SCHLUMBERGER Survey Report

9-Aug-2005 16:39:27

Page 4 of 5

| Seq # | Measured depth (m) | Incl angle (deg) | Azimuth angle (deg) | Course length (m) | TVD depth (m) | Vertical section (m) | Displ +N/S- (m) | Displ +E/W- (m) | Total displ (m) | At Azim (deg) | DLS (deg/100f) | Srvy tool type | Tool Corr (deg) |
|-------|--------------------|------------------|---------------------|-------------------|---------------|----------------------|-----------------|-----------------|-----------------|---------------|----------------|----------------|-----------------|
| 61 | 1755.12 | 25.46 | 114.56 | 29.11 | 1735.69 | 64.12 | -129.62 | 5.10 | 129.72 | 177.75 | 3.44 | MWD | None |
| 62 | 1784.08 | 28.71 | 115.07 | 28.96 | 1761.47 | 77.27 | -135.15 | 17.06 | 136.23 | 172.80 | 3.43 | MWD | None |
| 63 | 1813.12 | 32.21 | 113.25 | 29.04 | 1786.50 | 91.93 | -141.17 | 30.50 | 144.42 | 167.81 | 3.80 | MWD | None |
| 64 | 1842.22 | 35.30 | 112.90 | 29.10 | 1810.69 | 108.01 | -147.50 | 45.37 | 154.32 | 162.90 | 3.24 | MWD | None |
| 65 | 1871.31 | 38.11 | 113.30 | 29.09 | 1834.01 | 125.29 | -154.32 | 61.36 | 166.08 | 158.32 | 2.95 | MWD | None |
| 66 | 1899.95 | 41.20 | 113.37 | 28.64 | 1856.05 | 143.47 | -161.56 | 78.14 | 179.47 | 154.19 | 3.29 | MWD | None |
| 67 | 1929.05 | 45.21 | 113.03 | 29.10 | 1877.26 | 163.28 | -169.41 | 96.45 | 194.94 | 150.35 | 4.21 | MWD | None |
| 68 | 1958.45 | 49.07 | 111.54 | 29.40 | 1897.26 | 184.67 | -177.57 | 116.39 | 212.32 | 146.76 | 4.16 | MWD | None |
| 69 | 1987.31 | 52.44 | 109.37 | 28.86 | 1915.51 | 206.75 | -185.37 | 137.33 | 230.70 | 143.47 | 3.98 | MWD | None |
| 70 | 2016.22 | 56.23 | 108.21 | 28.91 | 1932.37 | 229.85 | -192.93 | 159.56 | 250.36 | 140.41 | 4.12 | MWD | None |
| 71 | 2044.75 | 58.13 | 107.85 | 28.53 | 1947.83 | 253.37 | -200.35 | 182.36 | 270.91 | 137.69 | 2.06 | MWD | None |
| 72 | 2073.75 | 56.68 | 107.89 | 29.00 | 1963.45 | 277.33 | -207.84 | 205.61 | 292.36 | 135.31 | 1.52 | MWD | None |
| 73 | 2102.65 | 56.17 | 107.47 | 28.90 | 1979.43 | 300.92 | -215.16 | 228.55 | 313.89 | 133.27 | 0.65 | MWD | None |
| 74 | 2131.41 | 55.69 | 106.87 | 28.76 | 1995.54 | 324.22 | -222.19 | 251.32 | 335.45 | 131.48 | 0.73 | MWD | None |
| 75 | 2160.35 | 55.85 | 106.48 | 28.94 | 2011.82 | 347.58 | -229.06 | 274.24 | 357.31 | 129.87 | 0.38 | MWD | None |
| 76 | 2189.30 | 54.86 | 106.25 | 28.95 | 2028.28 | 370.80 | -235.77 | 297.09 | 379.27 | 128.44 | 1.06 | MWD | None |
| 77 | 2218.83 | 53.99 | 105.47 | 29.53 | 2045.46 | 394.17 | -242.33 | 320.19 | 401.56 | 127.12 | 1.11 | MWD | None |
| 78 | 2247.97 | 53.59 | 105.31 | 29.14 | 2062.68 | 417.01 | -248.57 | 342.86 | 423.49 | 125.94 | 0.44 | MWD | None |
| 79 | 2277.03 | 54.85 | 105.22 | 29.06 | 2079.67 | 439.89 | -254.78 | 365.60 | 445.62 | 124.87 | 1.32 | MWD | None |
| 80 | 2306.49 | 53.74 | 104.80 | 29.46 | 2096.86 | 463.08 | -260.97 | 388.71 | 468.19 | 123.88 | 1.20 | MWD | None |
| 81 | 2335.48 | 53.21 | 104.61 | 28.99 | 2114.11 | 485.64 | -266.89 | 411.24 | 490.25 | 122.98 | 0.58 | MWD | None |
| 82 | 2364.40 | 53.21 | 104.10 | 28.92 | 2131.43 | 508.03 | -272.63 | 433.68 | 512.25 | 122.16 | 0.43 | MWD | None |
| 83 | 2393.21 | 51.92 | 103.86 | 28.81 | 2148.94 | 530.10 | -278.16 | 455.88 | 534.04 | 121.39 | 1.38 | MWD | None |
| 84 | 2422.27 | 52.23 | 104.37 | 29.06 | 2166.81 | 552.23 | -283.75 | 478.11 | 555.97 | 120.69 | 0.53 | MWD | None |
| 85 | 2451.33 | 52.61 | 104.69 | 29.06 | 2184.53 | 574.52 | -289.53 | 500.40 | 578.12 | 120.05 | 0.48 | MWD | None |
| 86 | 2480.33 | 52.86 | 105.28 | 29.00 | 2202.09 | 596.89 | -295.49 | 522.70 | 600.44 | 119.48 | 0.56 | MWD | None |
| 87 | 2509.25 | 51.86 | 105.68 | 28.92 | 2219.75 | 619.14 | -301.60 | 544.77 | 622.68 | 118.97 | 1.11 | MWD | None |
| 88 | 2538.42 | 52.71 | 106.56 | 29.17 | 2237.59 | 641.61 | -308.01 | 566.93 | 645.20 | 118.52 | 1.15 | MWD | None |
| 89 | 2567.49 | 53.16 | 106.46 | 29.07 | 2255.11 | 664.24 | -314.60 | 589.17 | 667.91 | 118.10 | 0.48 | MWD | None |
| 90 | 2596.48 | 52.44 | 107.42 | 28.99 | 2272.64 | 686.81 | -321.33 | 611.26 | 690.58 | 117.73 | 1.10 | MWD | None |

[(c)2005 IDEAL ID10_2C_01]
SCHLUMBERGER Survey Report

9-Aug-2005 16:39:27

Page 5 of 5

| Seq # | Measured depth (m) | Incl angle (deg) | Azimuth angle (deg) | Course length (m) | TVD depth (m) | Vertical section (m) | Displ +N/S- (m) | Displ +E/W- (m) | Total displ (m) | At Azim (deg) | DLS (deg/100f) | Srvy tool type | Tool Corr (deg) |
|-------|--------------------|------------------|---------------------|-------------------|---------------|----------------------|-----------------|-----------------|-----------------|---------------|----------------|------------------|-----------------|
| 91 | 2623.96 | 51.70 | 107.50 | 27.48 | 2289.53 | 708.03 | -327.83 | 631.94 | 711.91 | 117.42 | 0.82 | MWD | None |
| 92 | 2641.00 | 51.70 | 107.50 | 17.04 | 2300.10 | 721.13 | -331.86 | 644.69 | 725.09 | 117.24 | 0.00 | Projection to TD | |

[(c)2005 IDEAL ID10_2C_01]

| | | |
|--------|-----------|-----------------|
| Well: | BMB-B16 | |
| Field: | Bream B | |
| Rig: | ENSCO 102 | 8.5 in. Section |
| State: | Victoria | |

GeoVISION Resistivity
1:500 Measured Depth
Recorded Mode Log