

Bit Run Summary

| Run number | | 2 | 3 | | | | | | | |
|------------------------|-----|-----------|-----------|--|--|--|--|--|--|--|
| Bit size | in. | 8.5 | 8.5 | | | | | | | |
| Bit start depth | m | 851.0 | 1570.0 | | | | | | | |
| Bit end depth | m | 2108.0 | 1625.0 | | | | | | | |
| Top interval logged | m | 848.0 | 1562.3 | | | | | | | |
| Bottom interval logged | m | 2090.7 | 1602.6 | | | | | | | |
| Begin log: time | | 11:40 | 20:15 | | | | | | | |
| Begin log: date | | 01-Mar-05 | 04-Mar-05 | | | | | | | |
| End log: time | | 02:30 | 22:30 | | | | | | | |
| End log: date | | 04-Mar-05 | 04-Mar-05 | | | | | | | |
| Mud data | | | | | | | | | | |
| Depth | m | 2084 | 2084 | | | | | | | |

| | | | | | | | | | | | |
|---------------------------|----------|-----------------|-----------------|------------|-----------|--------|--|--|--|--|--|
| Type | | KCL/PHPA/Glycol | KCL/PHPA/Glycol | | | | | | | | |
| Mud weight | ppg | 10.0 | 10.0 | | | | | | | | |
| Solids | % | 7.1 | 7.1 | | | | | | | | |
| Chlorides | mg/L | 31000 | 31000 | | | | | | | | |
| Rm | ohm.m@°C | 0.14@24.1 | 0.14@24.1 | | | | | | | | |
| Rmf | ohm.m@°C | 0.12@23.5 | 0.12@23.5 | | | | | | | | |
| Rmc | ohm.m@°C | 0.23@24.5 | 0.23@24.5 | | | | | | | | |
| Potassium | % | 6.0 | 6.0 | | | | | | | | |
| Environmental data | | | | | | | | | | | |
| GR | | | | | | | | | | | |
| Mud weight | ppg | 10.0 | 10.0 | | | | | | | | |
| Bit size | in. | 8.5 | 8.5 | | | | | | | | |
| Resistivity | | | | | | | | | | | |
| Neutron porosity | | | | | | | | | | | |
| Hole Size | in. | 8.5 | 8.5 | | | | | | | | |
| Mud weight | ppg | 10.0 | 10.0 | | | | | | | | |
| Temperature | °C | 70.6 | 70.6 | | | | | | | | |
| Mud salinity | ppm | 45746 | 45746 | | | | | | | | |
| Formation salinity | | | | | | | | | | | |
| Recording rate 1 | SEC | 10 sec. | 10 sec. | | | | | | | | |
| Recording rate 2 | SEC | 10 sec. | 10 sec. | | | | | | | | |
| Filtering GR | | 3 pt. | 3 pt. | | | | | | | | |
| Filtering density | | 3 pt. | 3 pt. | | | | | | | | |
| Filtering Neutron | | 3 pt. | 3 pt. | | | | | | | | |
| Company representative | | B. Steel | M. Jackson | A. Bassett | | | | | | | |
| Anadrill personnel | | K. Handley | M. Y. Tan | R. Burns | K. Wilson | D. Hay | | | | | |

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

| | | |
|--|---|------------------------|
| OTHER SERVICES FOR RUN2 Directional Drilling D&I Survey | OTHER SERVICES FOR RUN3 Directional Drilling D&I Survey | OTHER SERVICES FOR RUN |
| REMARKS: RUN NUMBER 2 8-1/2 in. hole section was drilled from 851.0 m to 2108.0 m. Depth is referenced to Driller's Depth. All data presented is from tool memory. GR corrected for mud weight, tool and bit size. 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 bit size, borehole salinity, temperature and mud hydrogen index. Ultrasonic Caliper not available during sliding intervals. | REMARKS: RUN NUMBER 3 8-1/2 in. hole section was reamed from 1570.0 m to 1625.0 m. Depth is referenced to Driller's Depth. All data presented is from tool memory. GR corrected for mud weight, tool and bit size. 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 bit size, borehole salinity, temperature and mud hydrogen index. PEF readings were affected by the presence of Barite in the mud system. | REMARKS: RUN NUMBER |

sliding intervals.

PEF readings were affected by the presence of Barite in the mud system.

Data density compromised at high ROP.

POOH due to drill plug.

Barite in the mud system.

POOH to change BHA.

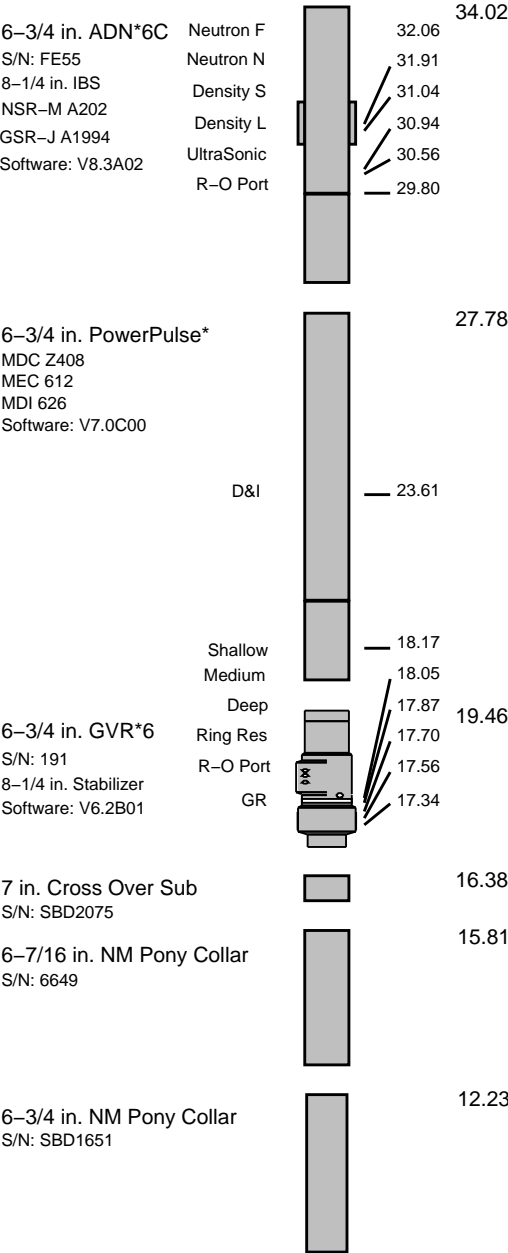
EQUIPMENT DESCRIPTION

RUN2

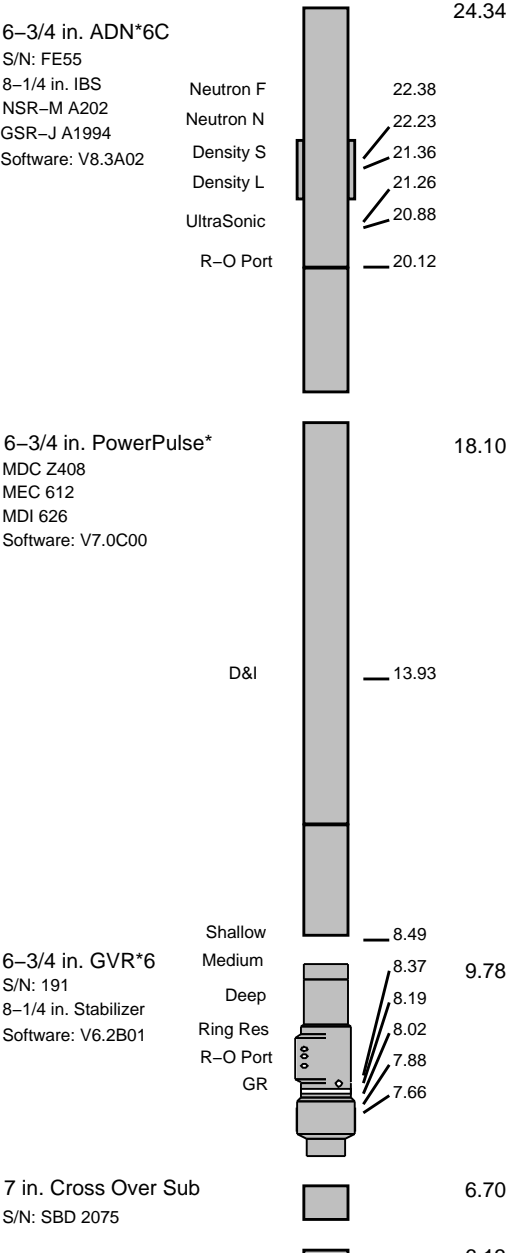
RUN3

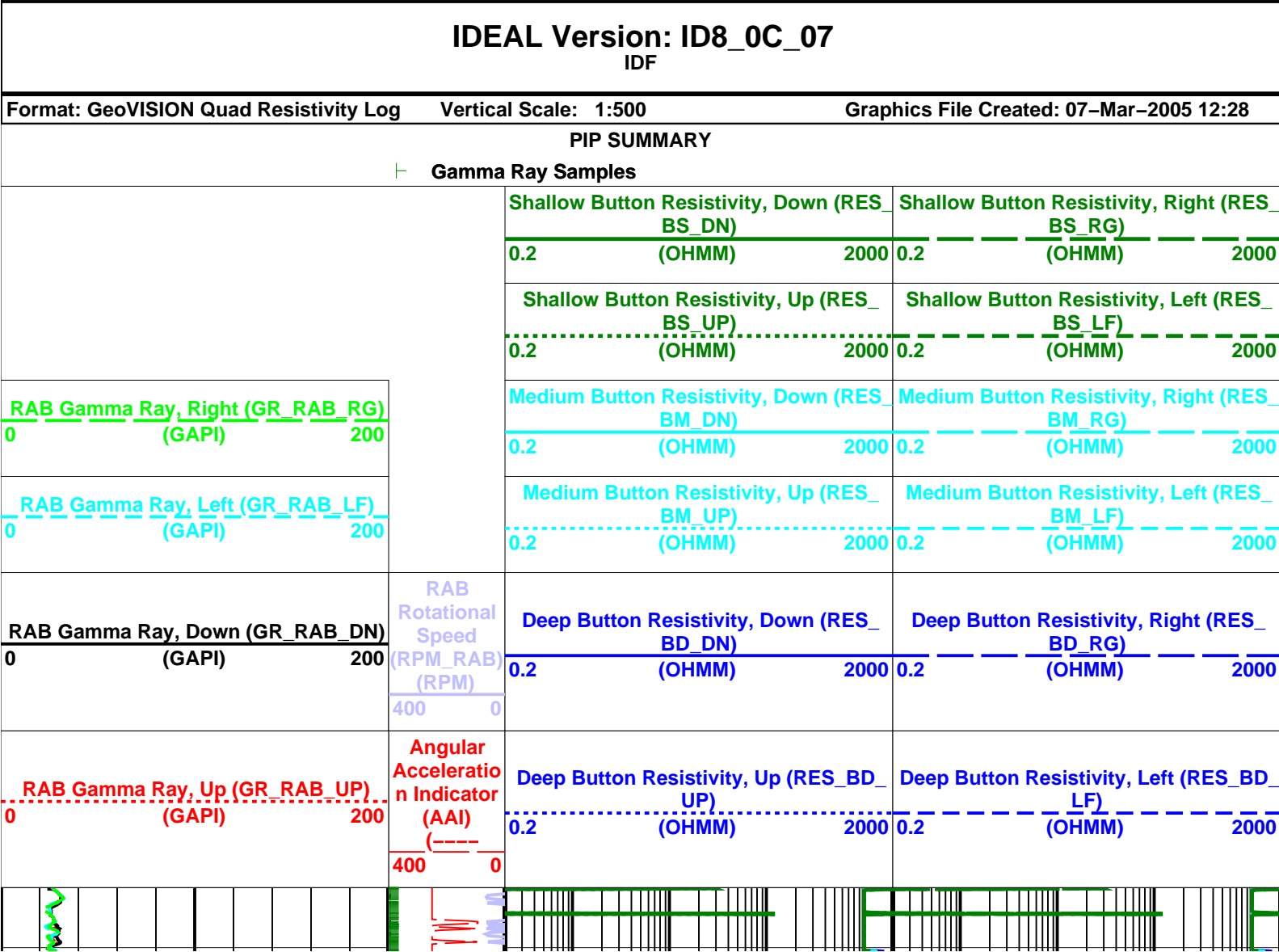
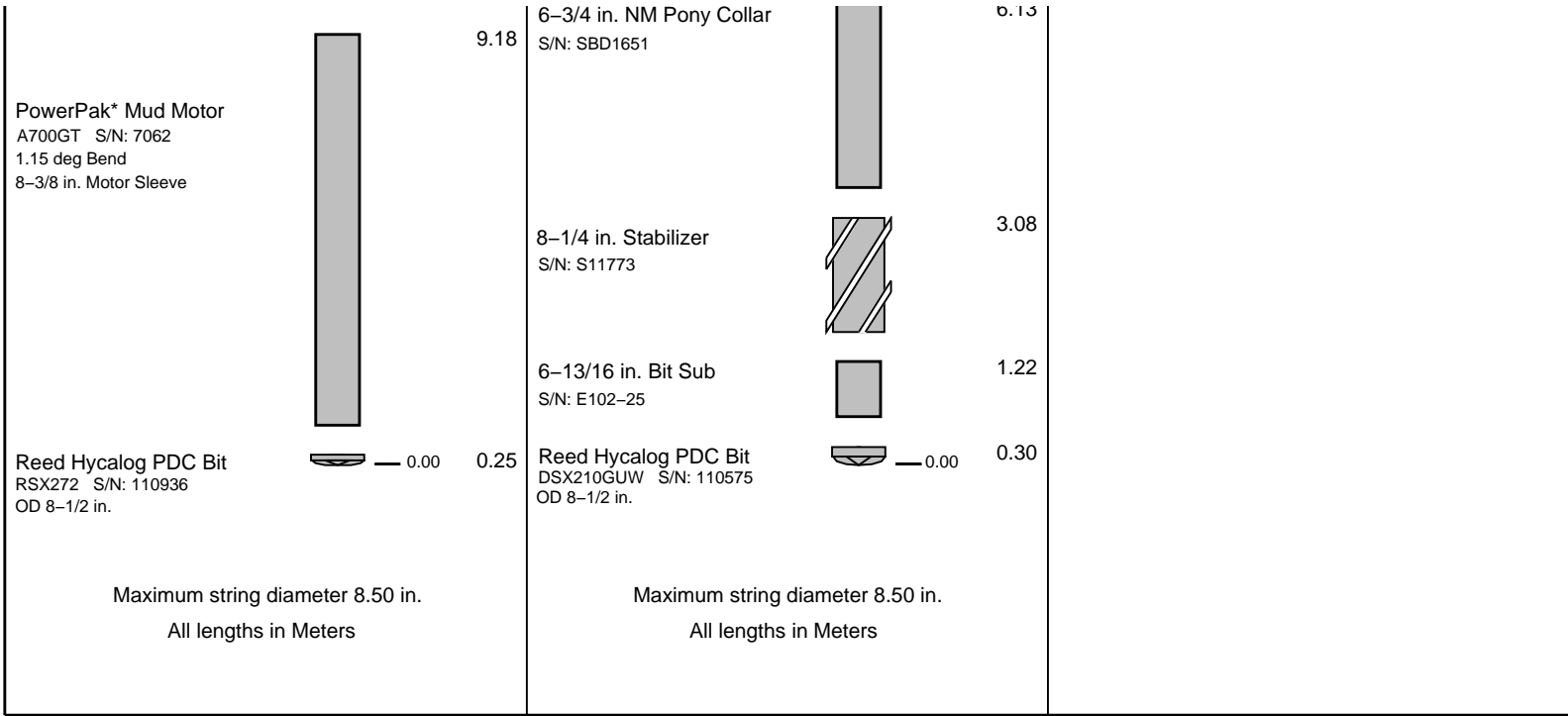
RUN

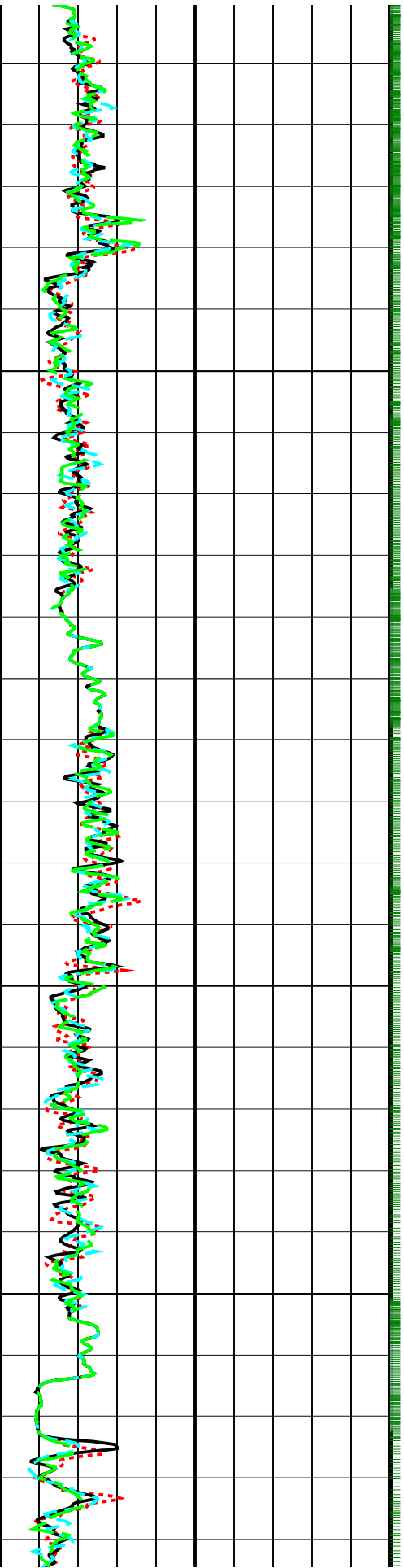
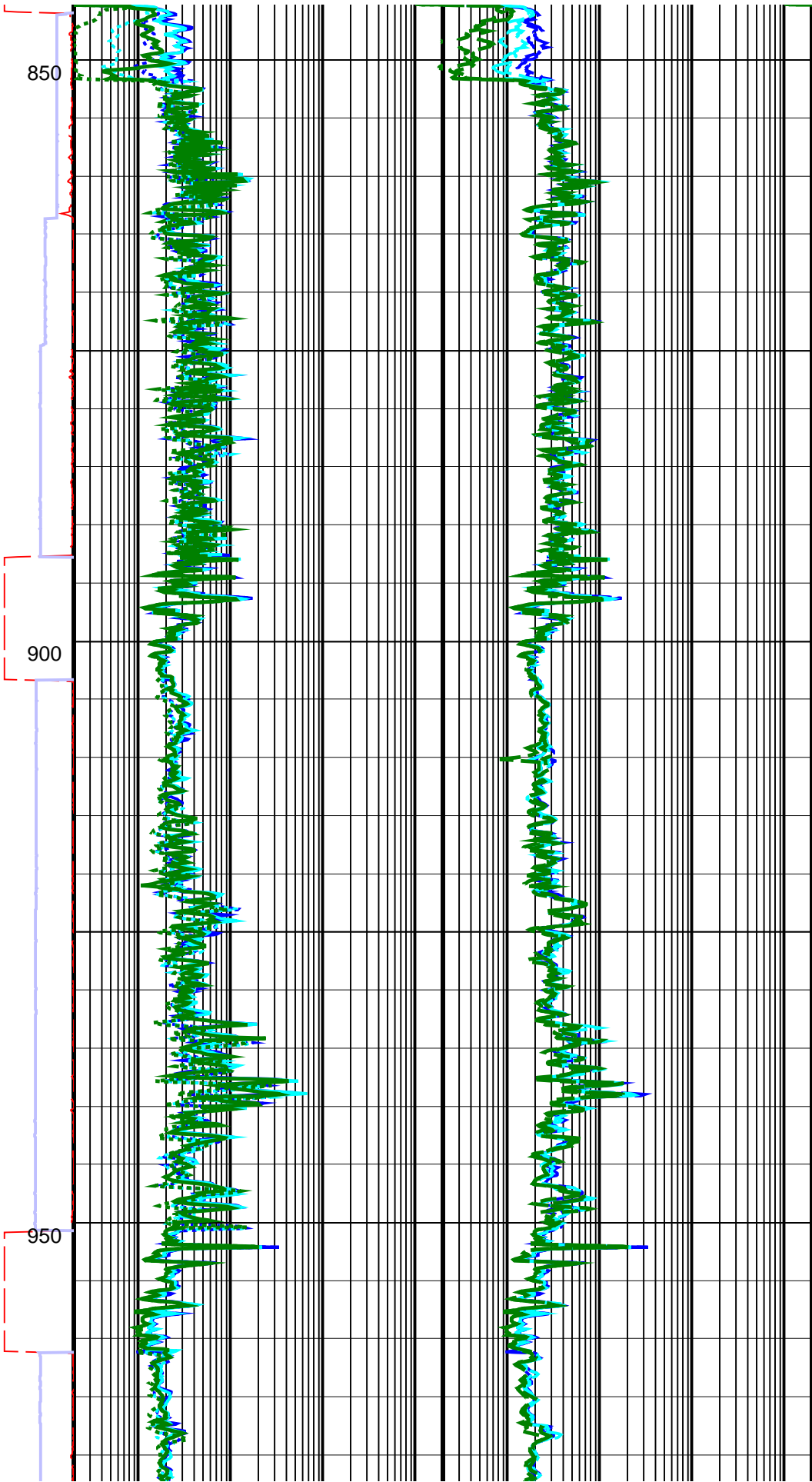
DOWNHOLE EQUIPMENT

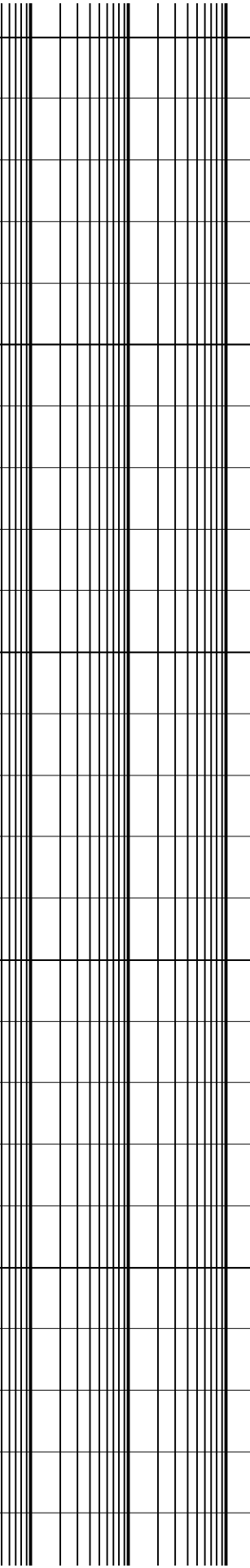
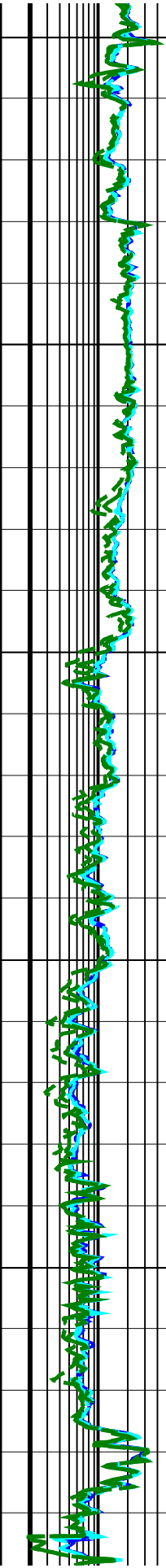
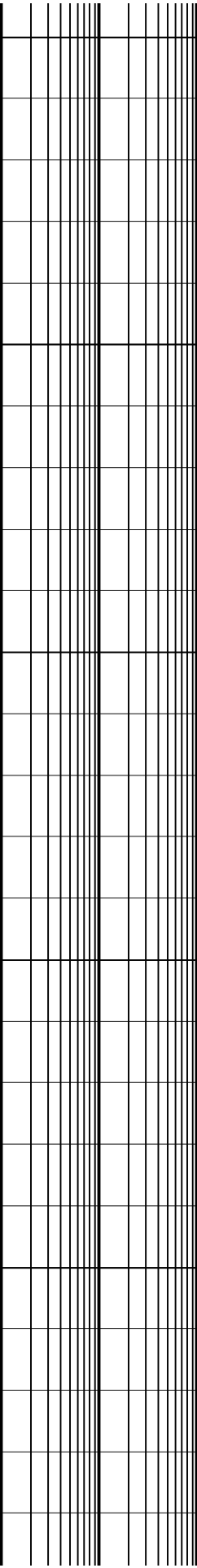
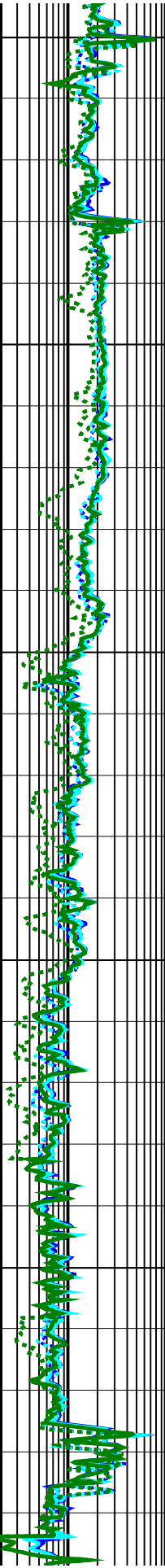
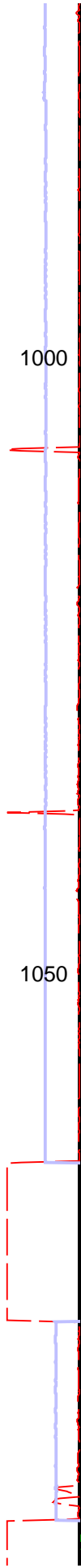
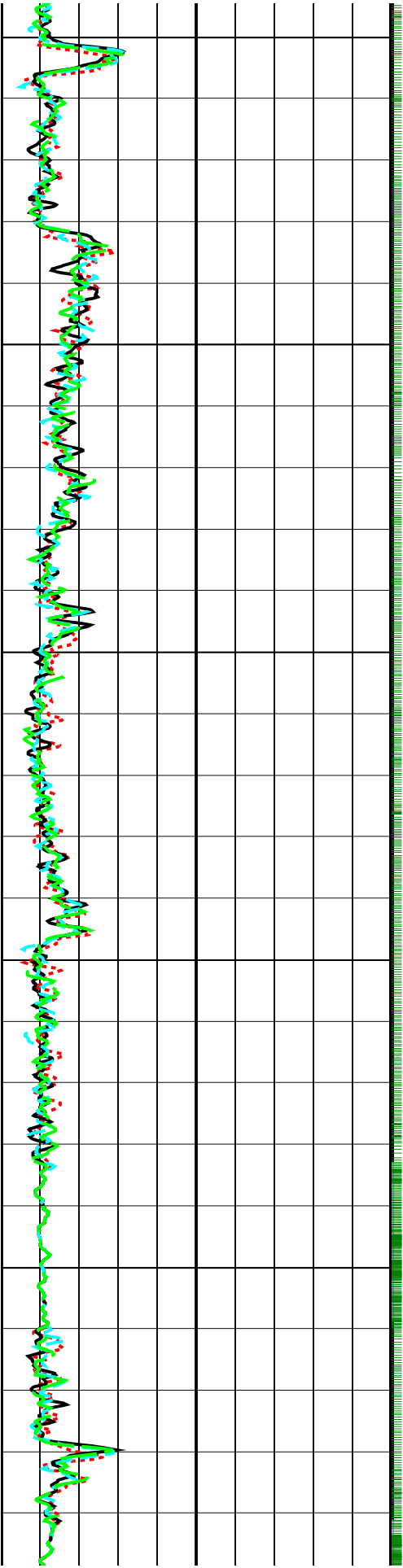


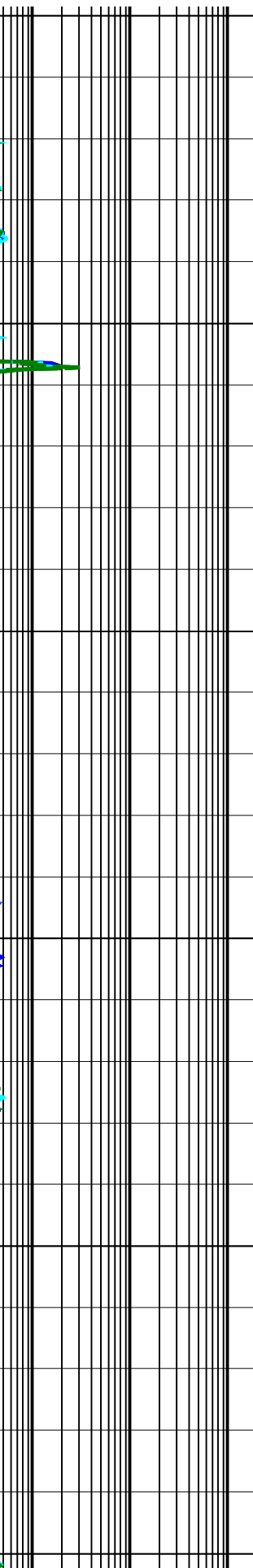
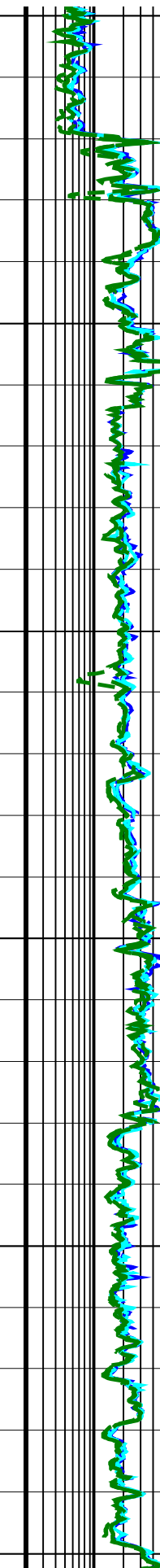
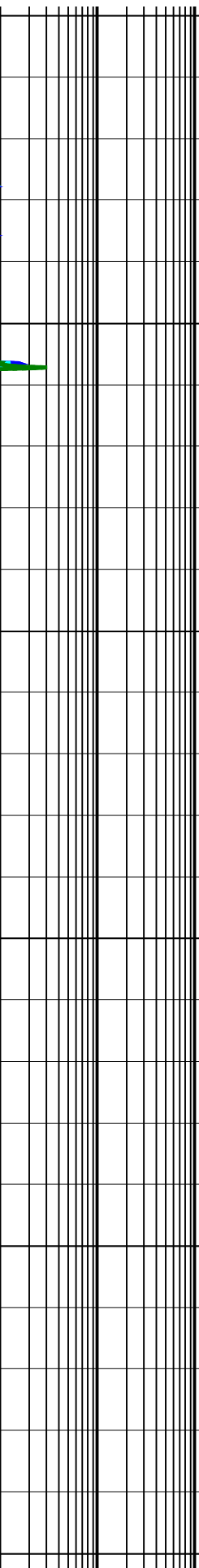
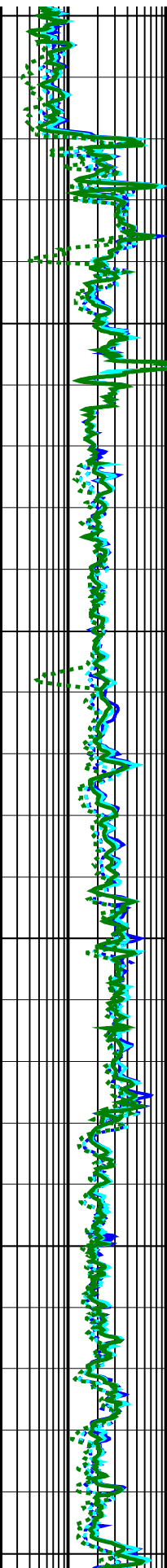
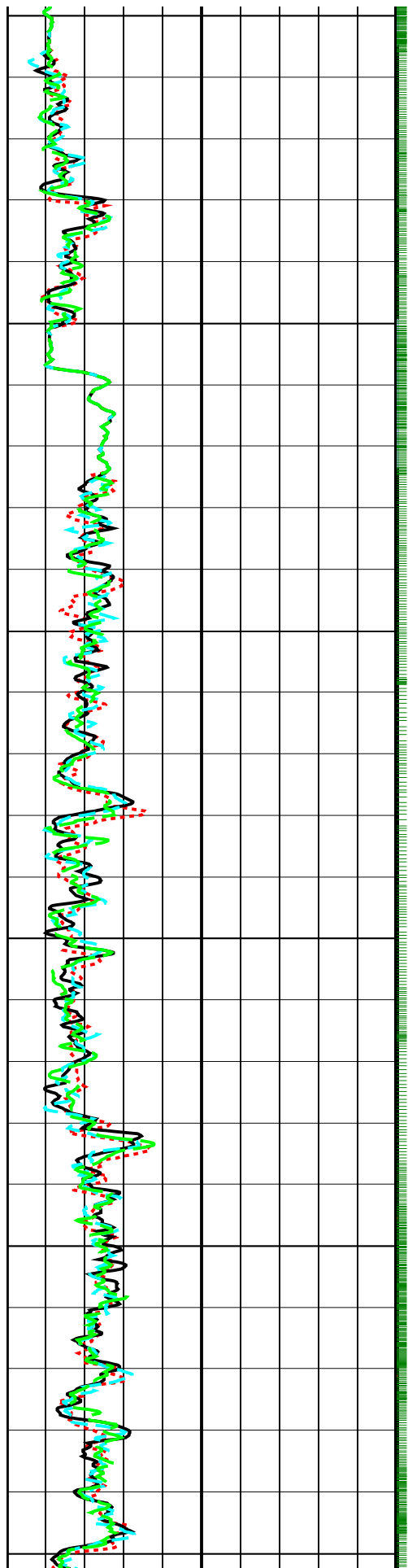
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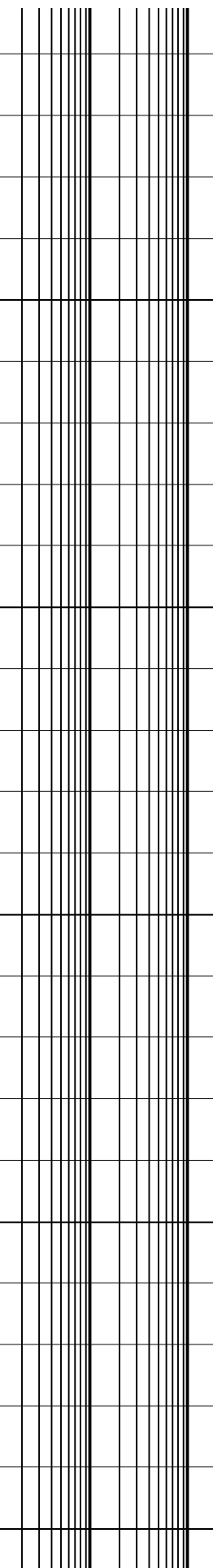
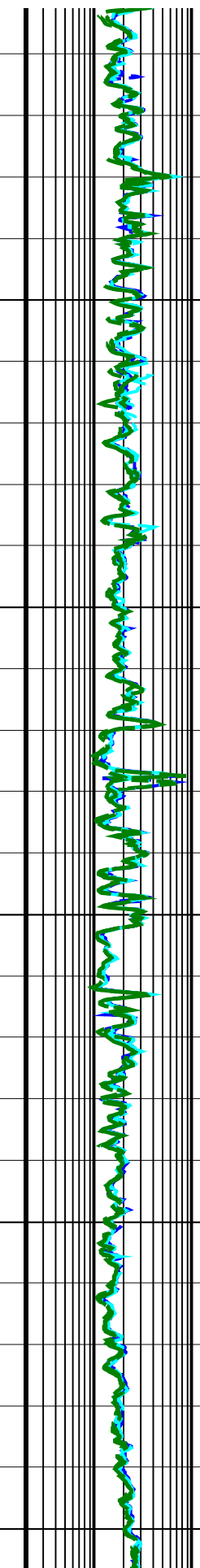
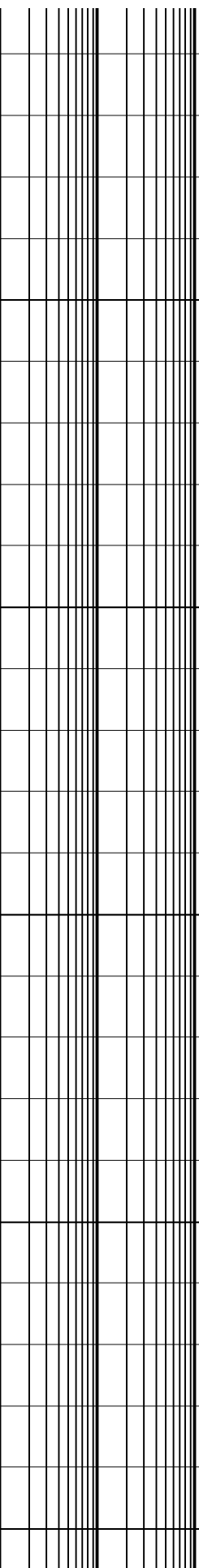
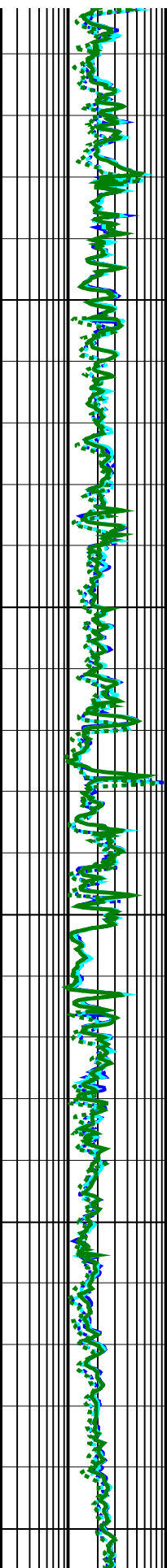
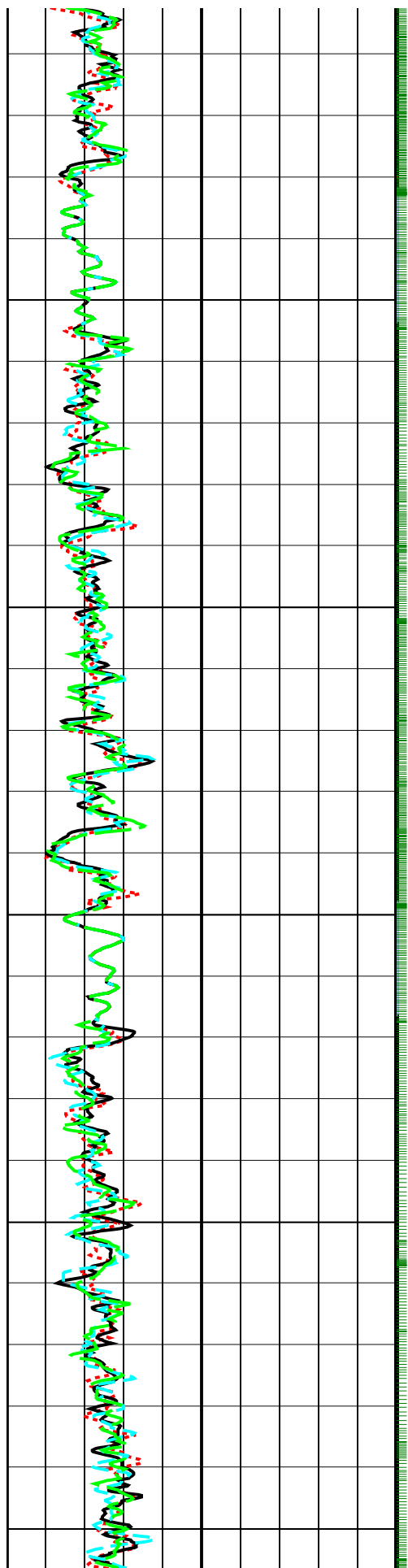


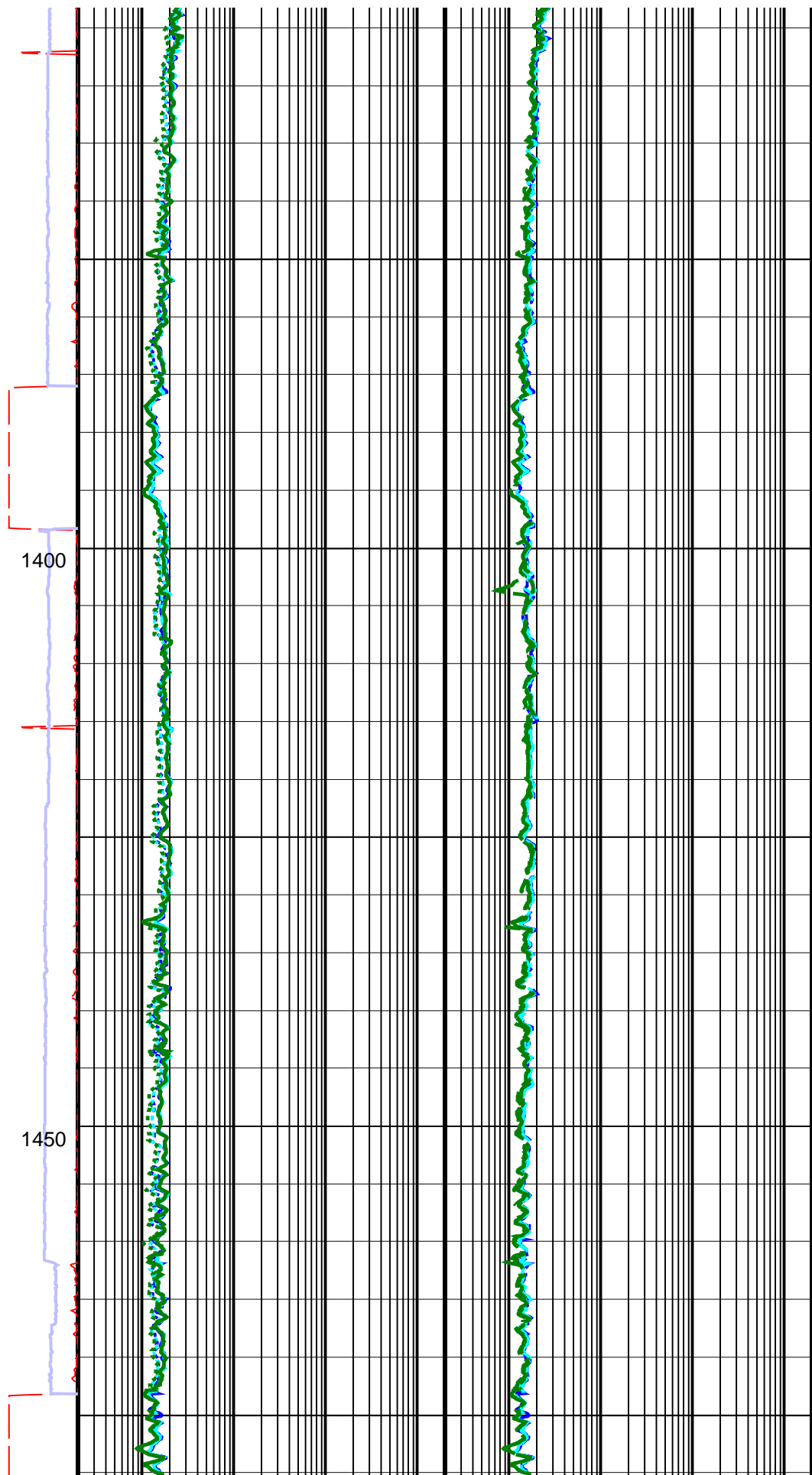
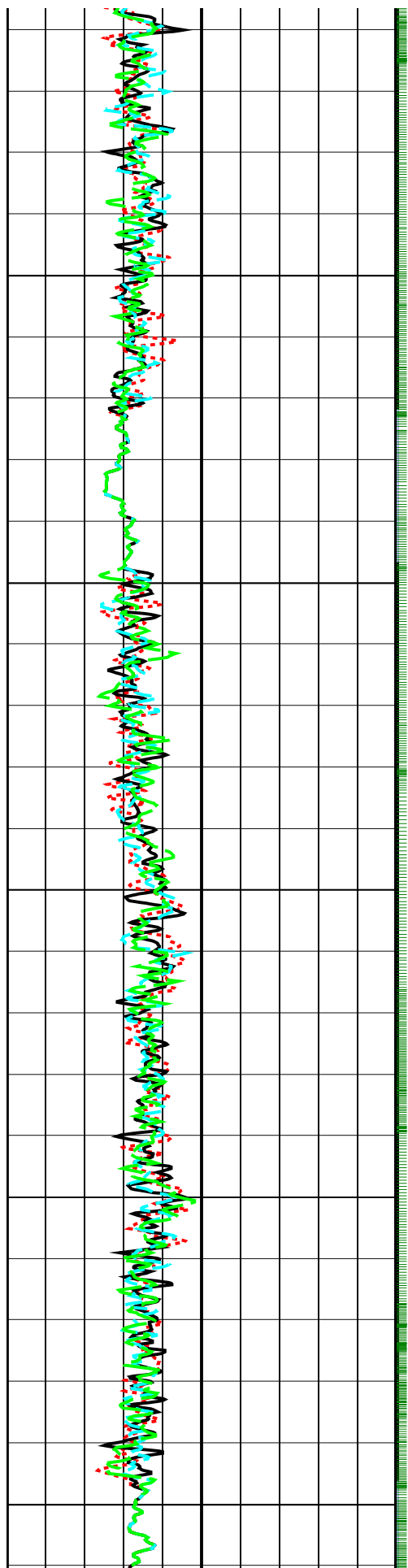


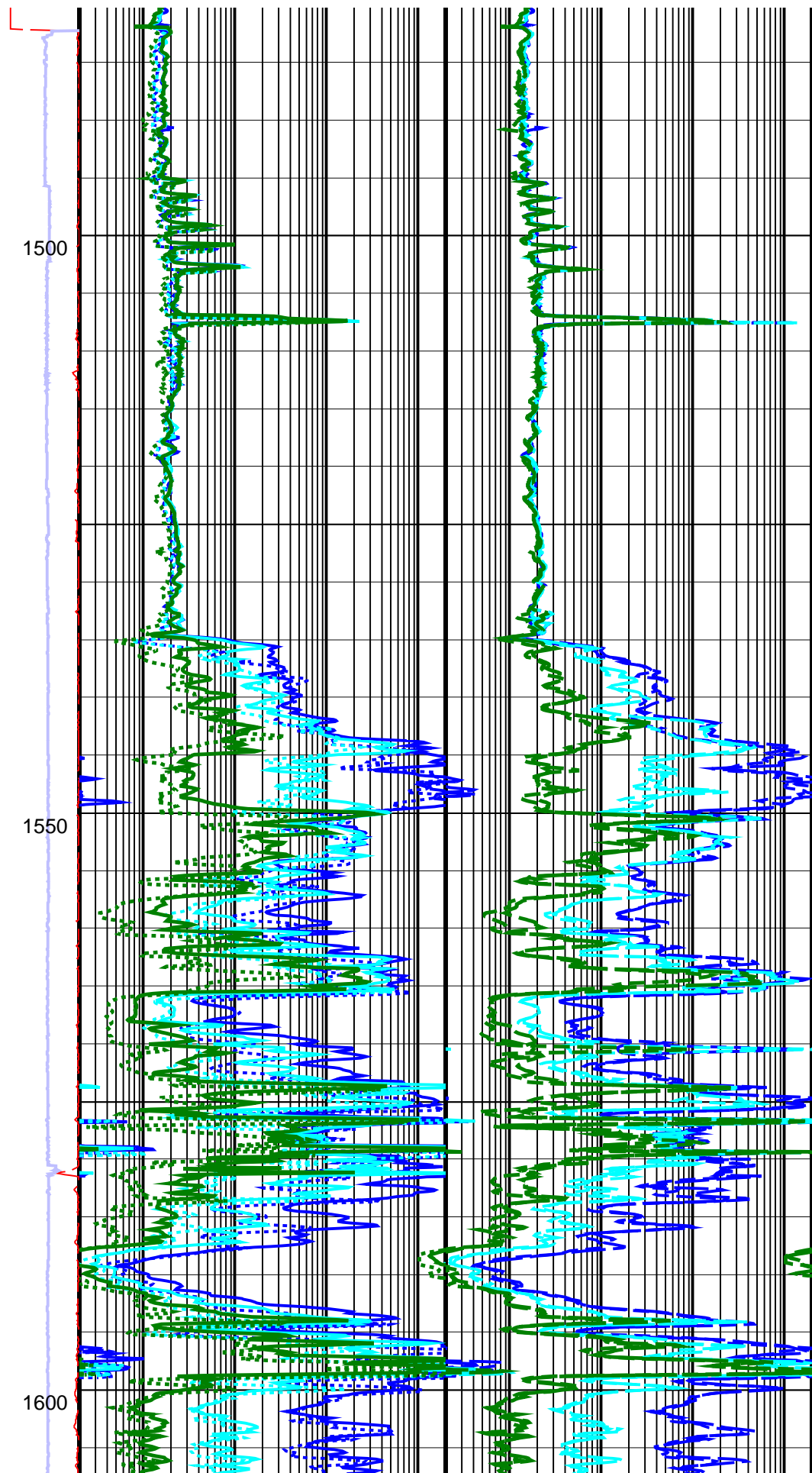
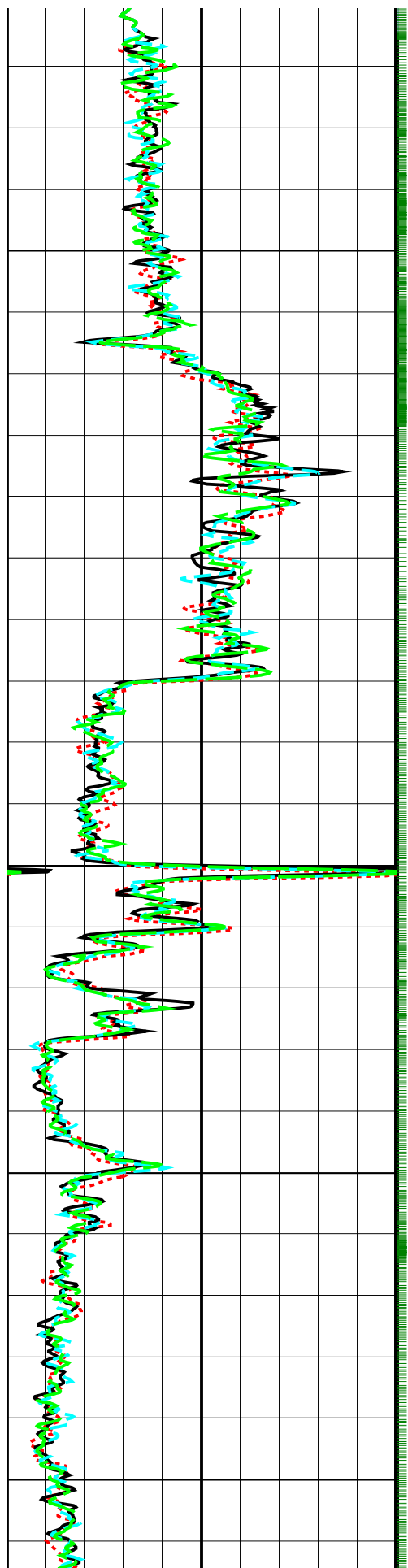


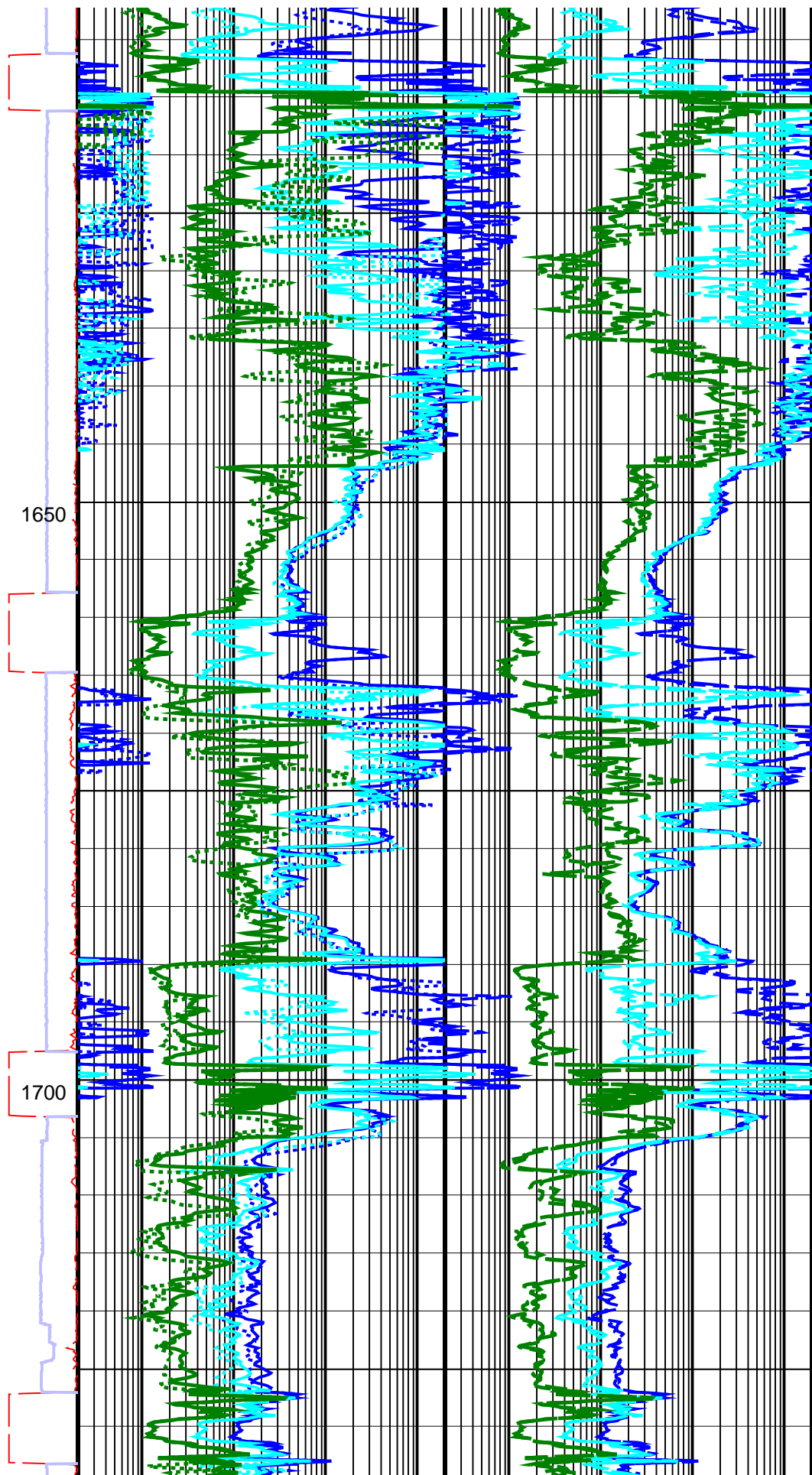
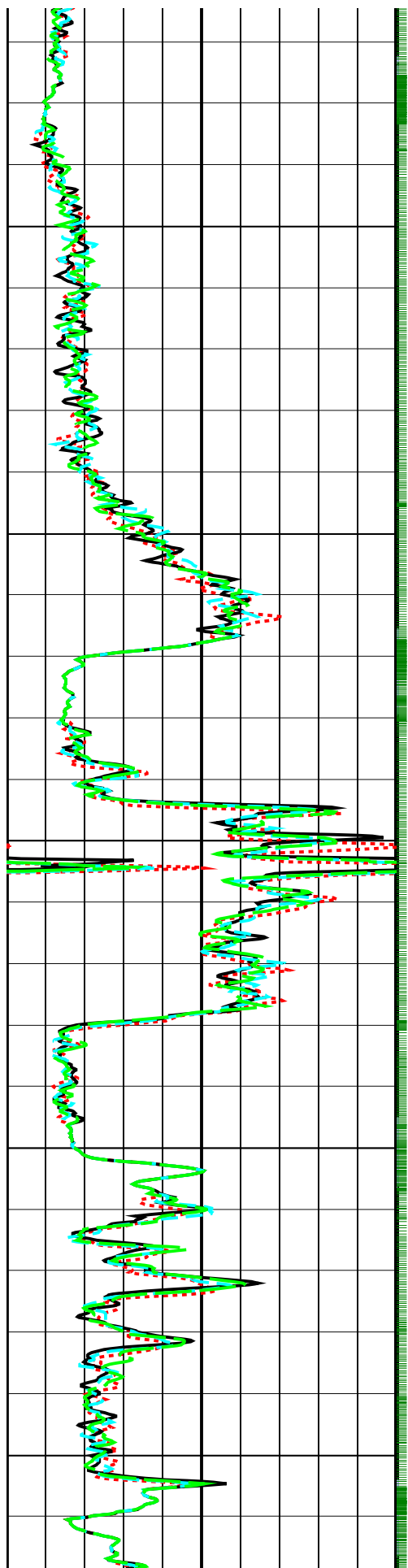


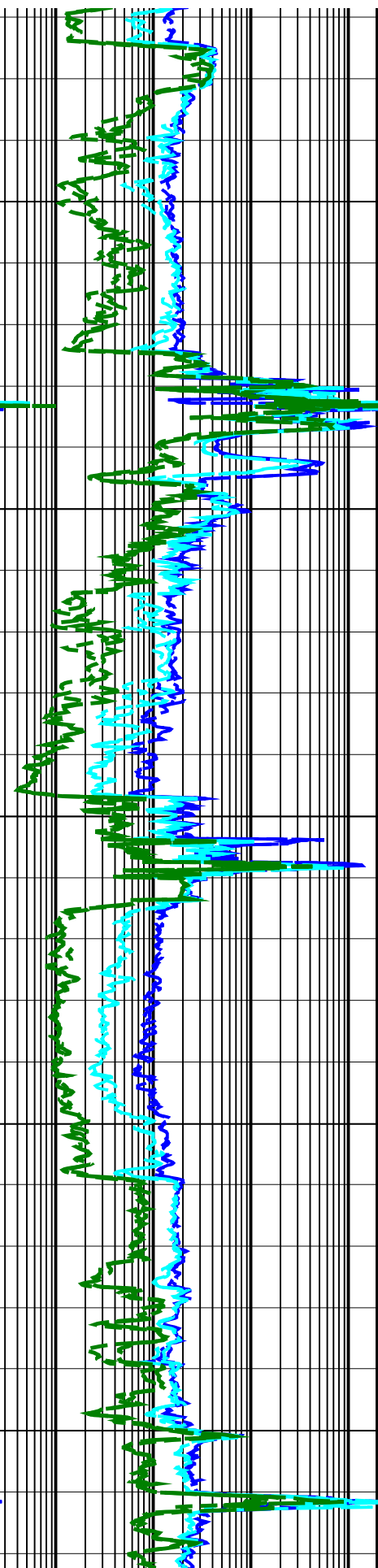
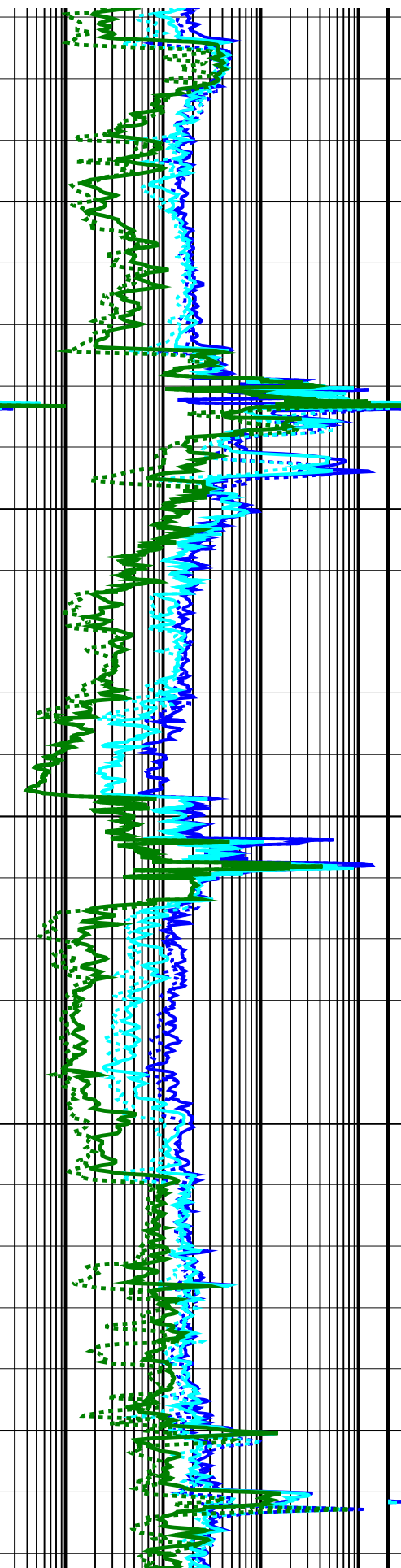
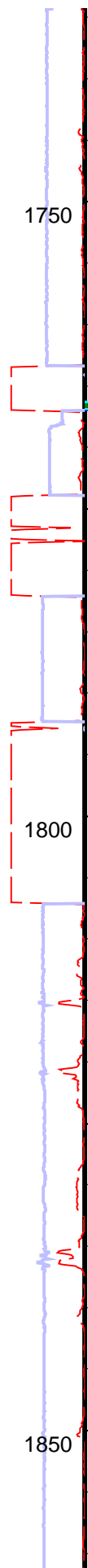
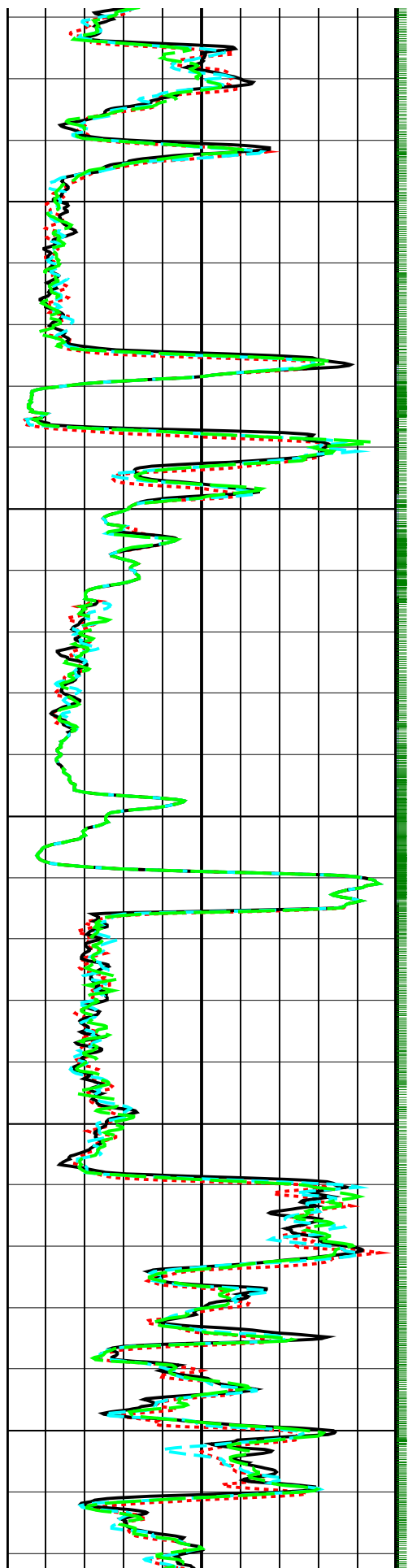


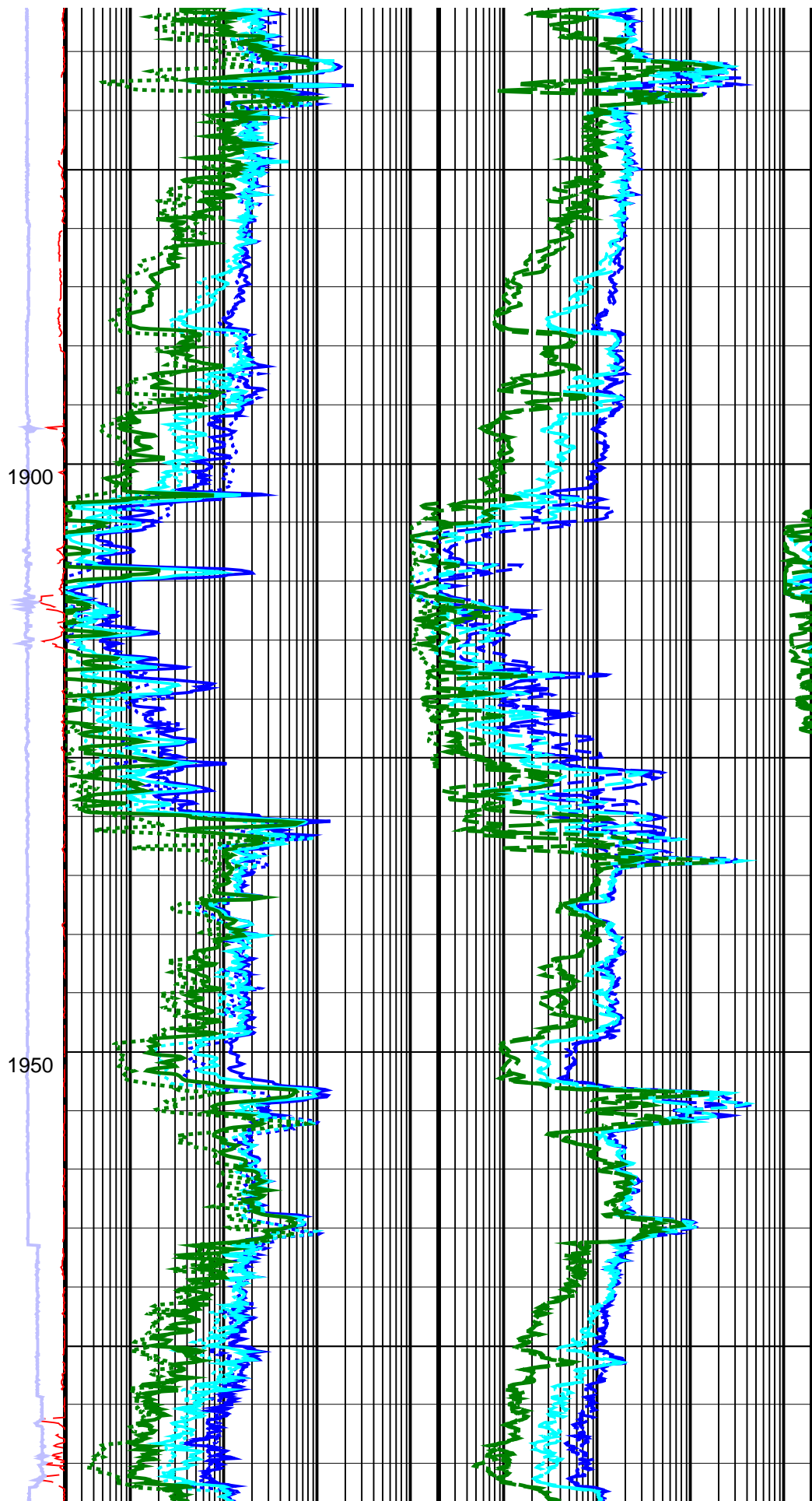
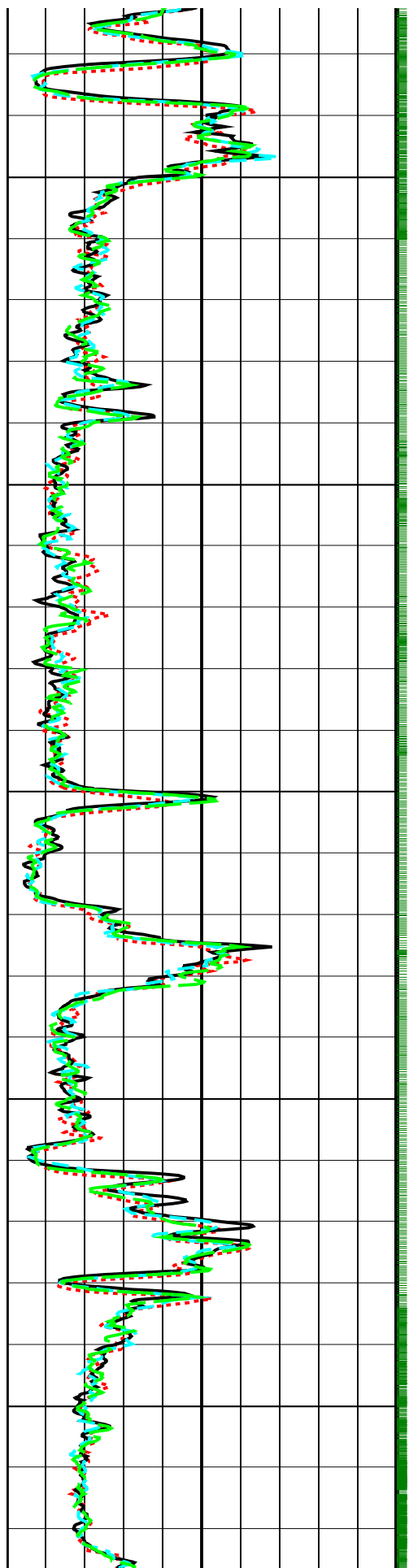


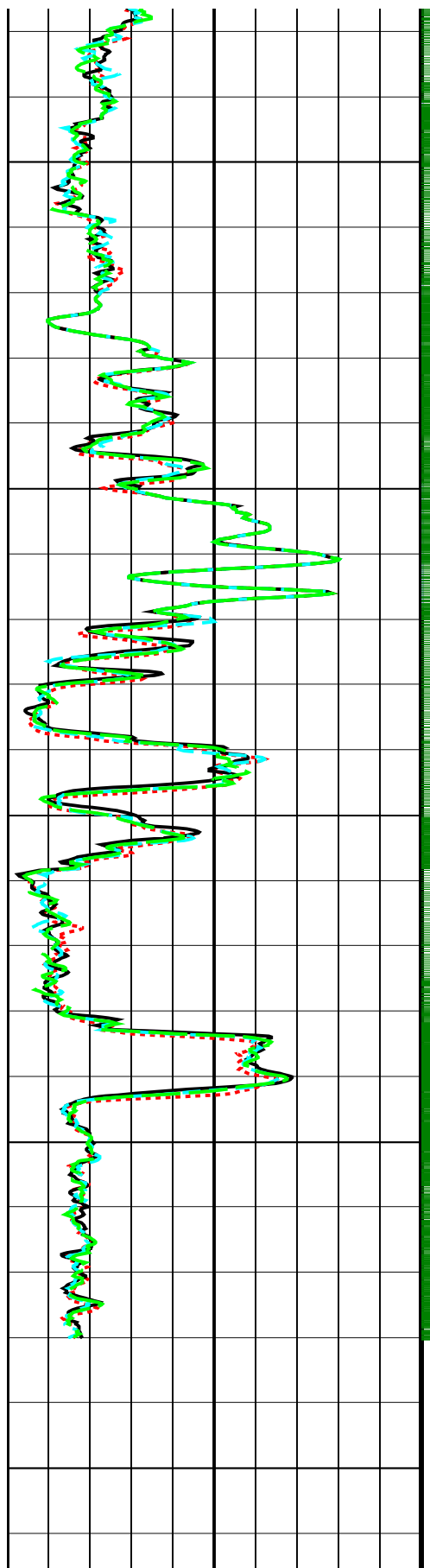








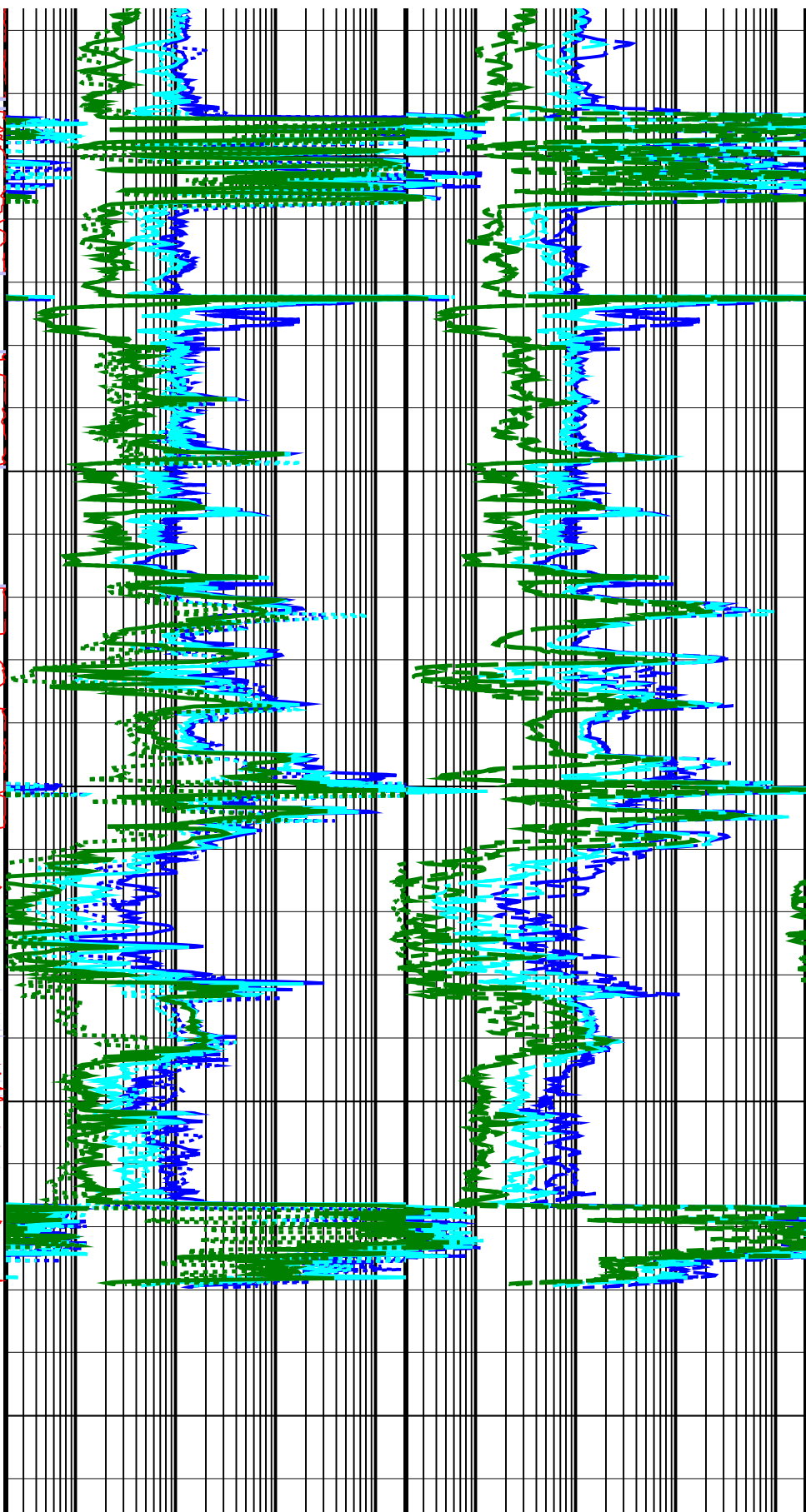




RAB Gamma Ray, Up (GR_RAB_UP)
(GAPI)



Angular
Acceleration
Indicator
(AAI)

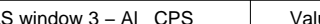

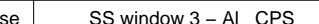


Deep Button Resistivity, Up (RES_BD_UP)

Deep Button Resistivity, Left (RES_BD_LF)

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| 6.75-in. Azimuthal Density Neutron / Equipment Identification | | |
|---|------------|------|
| Primary Equipment: | | |
| Tool Name and Serial Number | ADN6 - CA | FE55 |
| Collar Type and Serial Number | ADDC - AA | FE55 |
| Chassis Type and Serial Number | ADSE - EA | 380 |
| Neutron Logging Source | NSR - M | 202 |
| Density Logging Source | GSR - JZ | 1994 |
| Stabilizer Size | 8.25 - in. | |
| Calibration Status | Valid | |

| | | | | | | | | | | | | | | |
|--|---|--------------------|-------------------|-------|--------|---|-------------------|-------------------|-------|--------|---|--------------------|--------------------|-------|
| Master: 4-Jan-2005 21:40 | | | | | | | | | | | | | | |
| 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 |  | | | 156.5 | Master |  | | | 1275 | Master |  | | | 3922 |
| | 50.00 (Minimum) | 725.0 (Nominal) | 1400 (Maximum) | | | 500.0 (Minimum) | 4250 (Nominal) | 8000 (Maximum) | | | 1500 (Minimum) | 15750 (Nominal) | 30000 (Maximum) | |

| | | | | | | | | |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| Master | | 51.03 | Master | | 129.8 | Master | | 563.0 |
| 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: 4-Jan-2005 21:40 | | | | | | | | |
| 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 | | |
| Master | | | | 1.029 | Master | | | |
| | 1.024 (Minimum) | 1.039 (Nominal) | 1.054 (Maximum) | | | 1.096 (Minimum) | 1.126 (Nominal) | 1.156 (Maximum) |

| | | | | | | | | |
|--|---------------------|--------------------|--------------------|--------|--------|--------------------------|----------------|--------------------|
| Master: 4-Jan-2005 21:40 | | | | | | | | |
| 6.75-in. Azimuthal Density Neutron Calibration | | | | | | | | |
| Neutron: Water Tank | | | | | | | | |
| Phase | Far 1 tube 1 gain | | | Value | Phase | Far 1 tube 1 offset CPS | | |
| Master | | | | 1.068 | Master | | | |
| | 0.8000 (Minimum) | 1.050 (Nominal) | 1.300 (Maximum) | | | -1.000 (Minimum) | 0 (Nominal) | 1.000 (Maximum) |
| Phase | Far 1 tube 2 gain | | | Value | Phase | Far 1 tube 2 offset CPS | | Value |
| Master | | | | 1.013 | Master | | | |
| | 0.8000 (Minimum) | 1.050 (Nominal) | 1.300 (Maximum) | | | -1.000 (Minimum) | 0 (Nominal) | 1.000 (Maximum) |
| Phase | Far 1 tube 3 gain | | | Value | Phase | Far 1 tube 3 offset CPS | | Value |
| Master | | | | 1.039 | Master | | | |
| | 0.8000 (Minimum) | 1.050 (Nominal) | 1.300 (Maximum) | | | -1.000 (Minimum) | 0 (Nominal) | 1.000 (Maximum) |
| Phase | Far 2 tube 1 gain | | | Value | Phase | Far 2 tube 1 offset CPS | | Value |
| Master | | | | 1.096 | Master | | | |
| | 0.8000 (Minimum) | 1.050 (Nominal) | 1.300 (Maximum) | | | -1.000 (Minimum) | 0 (Nominal) | 1.000 (Maximum) |
| Phase | Far 2 tube 2 gain | | | Value | Phase | Far 2 tube 2 offset CPS | | Value |
| Master | | | | 0.9974 | Master | | | |
| | 0.8000 (Minimum) | 1.050 (Nominal) | 1.300 (Maximum) | | | -1.000 (Minimum) | 0 (Nominal) | 1.000 (Maximum) |
| Phase | Far 2 tube 3 gain | | | Value | Phase | Far 2 tube 3 offset CPS | | Value |
| Master | | | | 1.042 | Master | | | |
| | 0.8000 (Minimum) | 1.050 (Nominal) | 1.300 (Maximum) | | | -1.000 (Minimum) | 0 (Nominal) | 1.000 (Maximum) |
| Phase | Near 1 tube 1 gain | | | Value | Phase | Near 1 tube 1 offset CPS | | Value |
| Master | | | | 0.9812 | Master | | | |
| | 0.8000 (Minimum) | 1.050 (Nominal) | 1.300 (Maximum) | | | -100.0 (Minimum) | 0 (Nominal) | 100.0 (Maximum) |
| Phase | Near 2 tube 1 gain | | | Value | Phase | Near 2 tube 1 offset CPS | | Value |
| Master | | | | 0.9674 | Master | | | |
| | 0.8000 (Minimum) | 1.050 (Nominal) | 1.300 (Maximum) | | | -100.0 (Minimum) | 0 (Nominal) | 100.0 (Maximum) |

| | | | | | | | | |
|--|-------------------------------|--|--------------------|--|--|--------------------|-------|--|
| Master: 4-Jan-2005 21:40 | | | | | | | | |
| 6.75-in. Azimuthal Density Neutron Calibration | | | | | | | | |
| Neutron: Water Block Check | | | | | | | | |
| Phase | Far Neutron water porosity PU | | | | | | Value | |
| Master | | | | | | | 103.2 | |
| | 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: 28-Jan-2005 18:29

6.75-in. Resistivity At-the-Bit Calibration

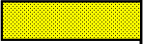
Resistivity: Fixture

| Phase | Ring/T1 factor | Value | Phase | Ring/T2 factor | Value | Phase | M0/T1 factor | Value |
|--------|---|-----------------|--------|---|-----------------|--------|---|-----------------|
| Master |  | 0.9967 | Master |  | 0.9942 | Master |  | 1.007 |
| | 0.9750 (Minimum) | 1.000 (Nominal) | | 0.9750 (Minimum) | 1.000 (Nominal) | | 0.9750 (Minimum) | 1.000 (Nominal) |
| | | 1.025 (Maximum) | | | 1.025 (Maximum) | | | 1.025 (Maximum) |
| Phase | M0/T2 factor | Value | Phase | M2/T1 factor | Value | Phase | M2/T2 factor | Value |
| Master |  | 1.004 | Master |  | 1.007 | Master |  | 1.004 |
| | 0.9750 (Minimum) | 1.000 (Nominal) | | 0.9750 (Minimum) | 1.000 (Nominal) | | 0.9750 (Minimum) | 1.000 (Nominal) |
| | | 1.025 (Maximum) | | | 1.025 (Maximum) | | | 1.025 (Maximum) |
| Phase | BTN shallow/T1 factor | Value | Phase | BTN shallow/T2 factor | Value | Phase | BTN medium/T1 factor | Value |
| Master |  | 1.003 | Master |  | 0.9999 | Master |  | 0.9950 |
| | 0.9750 (Minimum) | 1.000 (Nominal) | | 0.9750 (Minimum) | 1.000 (Nominal) | | 0.9750 (Minimum) | 1.000 (Nominal) |
| | | 1.025 (Maximum) | | | 1.025 (Maximum) | | | 1.025 (Maximum) |
| Phase | BTN medium/T2 factor | Value | Phase | BTN deep/T1 factor | Value | Phase | BTN deep/T2 factor | Value |
| Master |  | 0.9919 | Master |  | 1.012 | Master |  | 1.009 |
| | 0.9750 (Minimum) | 1.000 (Nominal) | | 0.9750 (Minimum) | 1.000 (Nominal) | | 0.9750 (Minimum) | 1.000 (Nominal) |
| | | 1.025 (Maximum) | | | 1.025 (Maximum) | | | 1.025 (Maximum) |

Master: 28-Jan-2005 18:29

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) |

SCHLUMBERGER

Survey report

6-Mar-2005 15:10:58

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Client..... ESSO
Field..... Barracouta

Well..... BTA-A4A
API number.....
Engineer..... K.Handley, M.Y.Tan, R.Burns

Rig:..... ENSCO 102
STATE:..... Victoria

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

----- Depth reference -----
Permanent datum..... Mean Sea Level
Depth reference..... Driller's Depth
GL above permanent..... -45.70 m
KB above permanent..... Top Drive
DF above permanent..... 56.00 m

----- Vertical section origin-----
Latitude (+N/S-)..... 0.85 m
Departure (+E/W-)..... 8.53 m

Spud date..... 24-Feb-05
Last survey date..... 06-Mar-05
Total accepted surveys... 63
MD of first survey..... 344.00 m
MD of last survey..... 2108.00 m

----- Geomagnetic data -----
Magnetic model..... BGGM version 2004
Magnetic date..... 22-Feb-2005
Magnetic field strength... 1201.43 HCNT
Magnetic dec (+E/W-)..... 12.97 degrees
Magnetic dip..... -68.87 degrees

----- MWD survey Reference Criteria -----
Reference G..... 1000.03 mGal
Reference H..... 1201.43 HCNT
Reference Dip..... -68.87 degrees
Tolerance of G..... (+/-) 2.50 mGal
Tolerance of H..... (+/-) 6.00 HCNT
Tolerance of Dip..... (+/-) 0.45 degrees

----- Platform reference point-----

Latitude (+N/S-).....: -304.57 m
Departure (+E/W-).....: -304.57 m

Azimuth from Vsect Origin to target: 76.22 degrees

----- Corrections -----

Magnetic dec (+E/W-).....: 12.97 degrees
Grid convergence (+E/W-)..: -0.42 degrees
Total az corr (+E/W-).....: 13.39 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

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SCHLUMBERGER Survey Report

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Page 2 of 4

| 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/ 10m) | Srvy tool type | Tool Corr (deg) |
|----------|--------------------------|------------------------|---------------------------|-------------------------|---------------------|----------------------------|-----------------------|-----------------------|-----------------------|---------------------|----------------------|----------------------|-----------------------|
| 1 | 344.00 | 0.25 | 235.37 | 0.00 | 343.99 | 0.73 | 0.55 | 9.36 | 9.38 | 86.64 | 0.00 | TIP | None |
| 2 | 351.60 | 3.14 | 130.65 | 7.60 | 351.59 | 0.84 | 0.40 | 9.50 | 9.51 | 87.56 | 4.23 | GYR | None |
| 3 | 371.56 | 6.26 | 115.73 | 19.96 | 371.48 | 2.00 | -0.42 | 10.90 | 10.91 | 92.23 | 1.67 | MWD | None |
| 4 | 400.60 | 10.44 | 98.23 | 29.04 | 400.21 | 5.66 | -1.49 | 14.93 | 15.01 | 95.69 | 1.67 | GYR | None |
| 5 | 430.00 | 13.39 | 92.42 | 29.40 | 428.97 | 11.40 | -2.01 | 20.97 | 21.07 | 95.48 | 1.08 | MWD | None |
| 6 | 458.41 | 16.35 | 82.38 | 28.41 | 456.43 | 18.54 | -1.62 | 28.22 | 28.27 | 93.29 | 1.38 | MWD | None |
| 7 | 487.44 | 19.21 | 75.25 | 29.03 | 484.08 | 27.38 | 0.14 | 36.90 | 36.90 | 89.79 | 1.24 | MWD | None |
| 8 | 516.58 | 22.78 | 75.14 | 29.14 | 511.28 | 37.82 | 2.80 | 46.99 | 47.07 | 86.58 | 1.23 | MWD | None |
| 9 | 545.52 | 27.31 | 73.86 | 28.94 | 537.49 | 50.06 | 6.09 | 58.79 | 59.10 | 84.09 | 1.58 | MWD | None |
| 10 | 574.63 | 31.33 | 72.34 | 29.11 | 562.87 | 64.29 | 10.24 | 72.42 | 73.14 | 81.95 | 1.40 | MWD | None |
| 11 | 603.86 | 34.81 | 75.42 | 29.23 | 587.36 | 80.22 | 14.65 | 87.74 | 88.95 | 80.52 | 1.32 | MWD | None |
| 12 | 632.38 | 38.27 | 75.46 | 28.52 | 610.27 | 97.19 | 18.92 | 104.17 | 105.88 | 79.71 | 1.21 | MWD | None |
| 13 | 661.80 | 41.30 | 75.07 | 29.42 | 632.87 | 116.01 | 23.71 | 122.38 | 124.65 | 79.04 | 1.03 | MWD | None |
| 14 | 691.10 | 45.16 | 74.90 | 29.30 | 654.22 | 136.07 | 28.91 | 141.76 | 144.67 | 78.47 | 1.32 | MWD | None |
| 15 | 719.99 | 48.91 | 74.32 | 28.89 | 673.90 | 157.20 | 34.52 | 162.13 | 165.77 | 77.98 | 1.31 | MWD | None |
| 16 | 749.12 | 52.83 | 74.48 | 29.13 | 692.28 | 179.78 | 40.59 | 183.89 | 188.32 | 77.55 | 1.35 | MWD | None |
| 17 | 778.33 | 56.53 | 75.07 | 29.21 | 709.17 | 203.61 | 46.85 | 206.89 | 212.13 | 77.24 | 1.28 | MWD | None |
| 18 | 806.73 | 58.42 | 75.06 | 28.40 | 724.44 | 227.54 | 53.02 | 230.02 | 236.05 | 77.02 | 0.67 | MWD | None |
| 19 | 826.51 | 60.05 | 75.43 | 19.78 | 734.56 | 244.54 | 57.35 | 246.46 | 253.04 | 76.90 | 0.84 | MWD | None |
| 20 | 857.08 | 60.11 | 75.02 | 30.57 | 749.80 | 271.03 | 64.11 | 272.08 | 279.53 | 76.74 | 0.12 | MWD | None |
| 21 | 885.76 | 61.34 | 74.96 | 28.68 | 763.83 | 296.04 | 70.58 | 296.24 | 304.53 | 76.60 | 0.43 | MWD | None |
| 22 | 914.88 | 60.95 | 74.82 | 29.12 | 777.88 | 321.54 | 77.23 | 320.86 | 330.03 | 76.47 | 0.14 | MWD | None |
| 23 | 943.53 | 60.68 | 75.21 | 28.65 | 791.85 | 346.55 | 83.70 | 345.03 | 355.03 | 76.36 | 0.15 | MWD | None |
| 24 | 972.56 | 59.77 | 76.43 | 29.03 | 806.27 | 371.74 | 89.87 | 369.45 | 380.23 | 76.33 | 0.48 | MWD | None |
| 25 | 1001.50 | 59.54 | 77.10 | 28.94 | 820.89 | 396.72 | 95.59 | 393.77 | 405.20 | 76.35 | 0.22 | MWD | None |
| 26 | 1030.64 | 59.11 | 76.93 | 29.14 | 835.76 | 421.78 | 101.22 | 418.19 | 430.26 | 76.39 | 0.16 | MWD | None |
| 27 | 1059.78 | 57.85 | 76.77 | 29.14 | 850.99 | 446.61 | 106.87 | 442.38 | 455.10 | 76.42 | 0.43 | MWD | None |
| 28 | 1089.10 | 58.34 | 76.70 | 29.32 | 866.49 | 471.50 | 112.59 | 466.60 | 479.99 | 76.43 | 0.17 | MWD | None |
| 29 | 1118.03 | 59.62 | 78.08 | 28.93 | 881.39 | 496.29 | 118.00 | 490.80 | 504.78 | 76.48 | 0.60 | MWD | None |
| 30 | 1147.18 | 61.65 | 77.56 | 29.15 | 895.69 | 521.68 | 123.36 | 515.63 | 530.18 | 76.55 | 0.71 | MWD | None |

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| 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/ 10m) | Srvy tool type | Tool Corr (deg) |
|----------|--------------------------|------------------------|---------------------------|-------------------------|---------------------|----------------------------|-----------------------|-----------------------|-----------------------|---------------------|----------------------|----------------------|-----------------------|
| 31 | 1176.44 | 62.74 | 77.42 | 29.26 | 909.34 | 547.56 | 128.96 | 540.89 | 556.06 | 76.59 | 0.37 | MWD | None |
| 32 | 1205.78 | 63.29 | 77.18 | 29.34 | 922.65 | 573.70 | 134.71 | 566.40 | 582.20 | 76.62 | 0.20 | MWD | None |
| 33 | 1234.53 | 63.22 | 77.02 | 28.75 | 935.59 | 599.37 | 140.44 | 591.43 | 607.87 | 76.64 | 0.06 | MWD | None |
| 34 | 1263.41 | 63.32 | 74.80 | 28.88 | 948.58 | 625.16 | 146.72 | 616.44 | 633.66 | 76.61 | 0.69 | MWD | None |
| 35 | 1292.28 | 62.74 | 73.74 | 28.87 | 961.67 | 650.88 | 153.70 | 641.21 | 659.37 | 76.52 | 0.38 | MWD | None |
| 36 | 1321.68 | 61.29 | 72.83 | 29.40 | 975.47 | 676.80 | 161.16 | 666.07 | 685.29 | 76.40 | 0.56 | MWD | None |
| 37 | 1350.51 | 60.59 | 72.52 | 28.83 | 989.47 | 701.95 | 168.67 | 690.13 | 710.44 | 76.27 | 0.26 | MWD | None |
| 38 | 1379.66 | 60.36 | 72.02 | 29.15 | 1003.84 | 727.26 | 176.39 | 714.29 | 735.75 | 76.13 | 0.17 | MWD | None |
| 39 | 1408.57 | 60.11 | 72.24 | 28.91 | 1018.19 | 752.29 | 184.09 | 738.18 | 760.78 | 76.00 | 0.11 | MWD | None |
| 40 | 1437.70 | 60.53 | 73.72 | 29.13 | 1032.61 | 777.56 | 191.50 | 762.37 | 786.06 | 75.90 | 0.46 | MWD | None |
| 41 | 1466.67 | 60.32 | 73.21 | 28.97 | 1046.91 | 802.72 | 198.67 | 786.53 | 811.23 | 75.82 | 0.17 | MWD | None |
| 42 | 1494.99 | 59.98 | 74.68 | 28.32 | 1061.01 | 827.27 | 205.46 | 810.13 | 835.78 | 75.77 | 0.47 | MWD | None |
| 43 | 1524.16 | 60.08 | 76.01 | 29.17 | 1075.58 | 852.53 | 211.85 | 834.58 | 861.05 | 75.76 | 0.40 | MWD | None |
| 44 | 1553.56 | 60.34 | 75.95 | 29.40 | 1090.19 | 878.05 | 218.04 | 859.33 | 886.56 | 75.76 | 0.09 | MWD | None |
| 45 | 1582.31 | 59.93 | 76.35 | 28.75 | 1104.50 | 902.98 | 224.00 | 883.54 | 911.49 | 75.77 | 0.19 | MWD | None |
| 46 | 1611.11 | 60.27 | 75.83 | 28.80 | 1118.86 | 927.95 | 230.01 | 907.77 | 936.46 | 75.78 | 0.20 | MWD | None |
| 47 | 1640.37 | 60.83 | 76.43 | 29.26 | 1133.25 | 953.42 | 236.11 | 932.51 | 961.94 | 75.79 | 0.26 | MWD | None |
| 48 | 1669.37 | 61.92 | 76.44 | 29.00 | 1147.14 | 978.88 | 242.08 | 957.25 | 987.39 | 75.81 | 0.38 | MWD | None |
| 49 | 1697.95 | 61.74 | 77.55 | 28.88 | 1160.63 | 1004.07 | 247.75 | 981.80 | 1012.58 | 75.84 | 0.35 | MWD | None |
| 50 | 1727.34 | 61.10 | 76.95 | 29.39 | 1174.69 | 1029.88 | 253.45 | 1006.98 | 1038.38 | 75.87 | 0.28 | MWD | None |
| 51 | 1756.52 | 60.74 | 76.03 | 29.18 | 1188.87 | 1055.38 | 259.41 | 1031.77 | 1063.88 | 75.89 | 0.30 | MWD | None |
| 52 | 1785.84 | 61.68 | 75.81 | 29.32 | 1202.99 | 1081.07 | 265.66 | 1056.69 | 1089.58 | 75.89 | 0.33 | MWD | None |
| 53 | 1814.73 | 60.60 | 74.63 | 28.89 | 1216.94 | 1106.37 | 272.11 | 1081.16 | 1114.88 | 75.87 | 0.52 | MWD | None |
| 54 | 1843.93 | 59.17 | 75.44 | 29.20 | 1231.59 | 1131.62 | 278.63 | 1105.56 | 1140.13 | 75.85 | 0.55 | MWD | None |
| 55 | 1873.01 | 60.22 | 75.24 | 29.08 | 1246.26 | 1156.72 | 284.99 | 1129.85 | 1165.24 | 75.84 | 0.37 | MWD | None |

| | | | | | | | | | | | | | |
|----|---------|-------|-------|-------|---------|---------|--------|---------|---------|-------|------|-----|------|
| 56 | 1901.51 | 60.30 | 75.12 | 28.50 | 1260.40 | 1181.47 | 291.32 | 1153.77 | 1189.98 | 75.83 | 0.05 | MWD | None |
| 57 | 1930.50 | 59.14 | 74.53 | 28.99 | 1275.02 | 1206.49 | 297.87 | 1177.93 | 1215.01 | 75.81 | 0.44 | MWD | None |
| 58 | 1959.59 | 60.04 | 74.44 | 29.09 | 1289.74 | 1231.57 | 304.58 | 1202.11 | 1240.09 | 75.78 | 0.31 | MWD | None |
| 59 | 1988.62 | 60.66 | 73.85 | 29.03 | 1304.10 | 1256.78 | 311.47 | 1226.37 | 1265.31 | 75.75 | 0.28 | MWD | None |
| 60 | 2017.48 | 61.16 | 73.65 | 28.86 | 1318.14 | 1281.98 | 318.53 | 1250.59 | 1290.51 | 75.71 | 0.18 | MWD | None |

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| 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/ 10m) | Srvy tool type | Tool Corr (deg) |
|---------------|--------------------------|------------------------|---------------------------|-------------------------|---------------------|----------------------------|-----------------------|-----------------------|-----------------------|---------------------|----------------------|----------------------|-----------------------|
| 61 | 2046.69 | 59.38 | 74.45 | 29.21 | 1332.62 | 1307.32 | 325.50 | 1274.97 | 1315.87 | 75.68 | 0.65 | MWD | None |
| 62 | 2075.98 | 59.44 | 74.58 | 29.29 | 1347.53 | 1332.52 | 332.24 | 1299.27 | 1341.08 | 75.66 | 0.04 | MWD | None |
| 63 | 2108.00 | 59.44 | 74.48 | 32.02 | 1363.81 | 1360.08 | 339.59 | 1325.84 | 1368.64 | 75.63 | 0.03 | Projection to TD | |

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Company: **ESSO Australia Pty. Ltd.**

Schlumberger

Well: **BTA-A4A**

Field: **Barracouta**

Rig: **ENSCO 102**

8.5 in. Section

State: **Victoria**

GeoVISION Quadrant Resistivity

1:500 Measured Depth

Recorded Mode Log