Sperry Drilling Services

MWD

DDS Drill String Dynamics

INSITE

# Run500 - 311mm Hole Section - Recorded Vibration Log

## Drilled from 3571.0 to 3571.0 mMDRT

## 10:00 hrs 2nd January - 05:00 hrs 3rd January 2006

SDL Data acquired and supplied by GeoServices.

| | |
|---|---|
| Country | : Australia |
| Field | : Exploration |
| Location | : Lat: 38° 24' 8.14" South<br>Long: 148° 39' 14.92" East |
| Well | : Culverin-1 |
| Company | : Nexus Energy Ltd |
| Rig | : Ocean Patriot |

| | | |
|---|---|---|
| Company | : | **Nexus Energy Ltd** |
| Rig | : | **Ocean Patriot** |
| Well | : | **Culverin-1** |
| Field | : | **Exploration** |
| Country | : | **Australia** |
| DOE Number | : | |

LOCATION

Latitude : **38° 24' 8.14" South**
Longitude : **148° 39' 14.92" East**

UTM Easting = **644,437.30 m**
UTM Northing = **5,748,256.39 m**

Other Services
**Directional Drilling**

Permanent Datum : **LAT** Elevation : **0.00 m**
Log Measured From : **Drill Floor** **21.50 m** Above Permanent Datum
Drilling Measured From : **Drill Floor**

TIME LOG

Elev. KB
DF **21.50 m**
GL
WD **585.50 m**

Depth Logged : **650.00 m** To **3,758.00 m**
Date Logged : **16-Dec-05** To **07-Jan-06**
Total Depth MD : **3,758.00 m** TVD : **3,753.86 m**
Spud Date : **16-Dec-05**

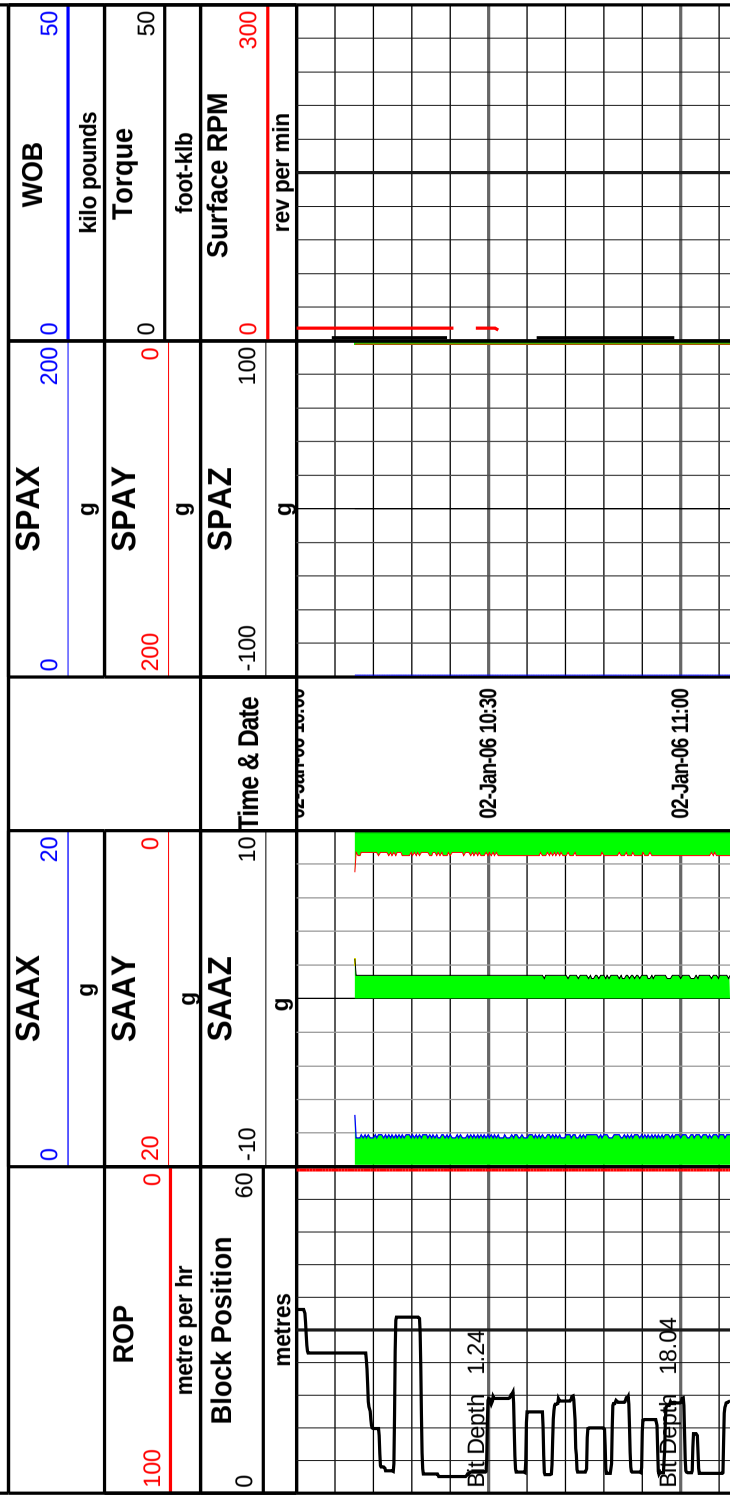
Unit No. : **182** Job No. : **AU-FE-0003951414**
Plot Type : **Final**
Plot Date : **17-Jan-06**

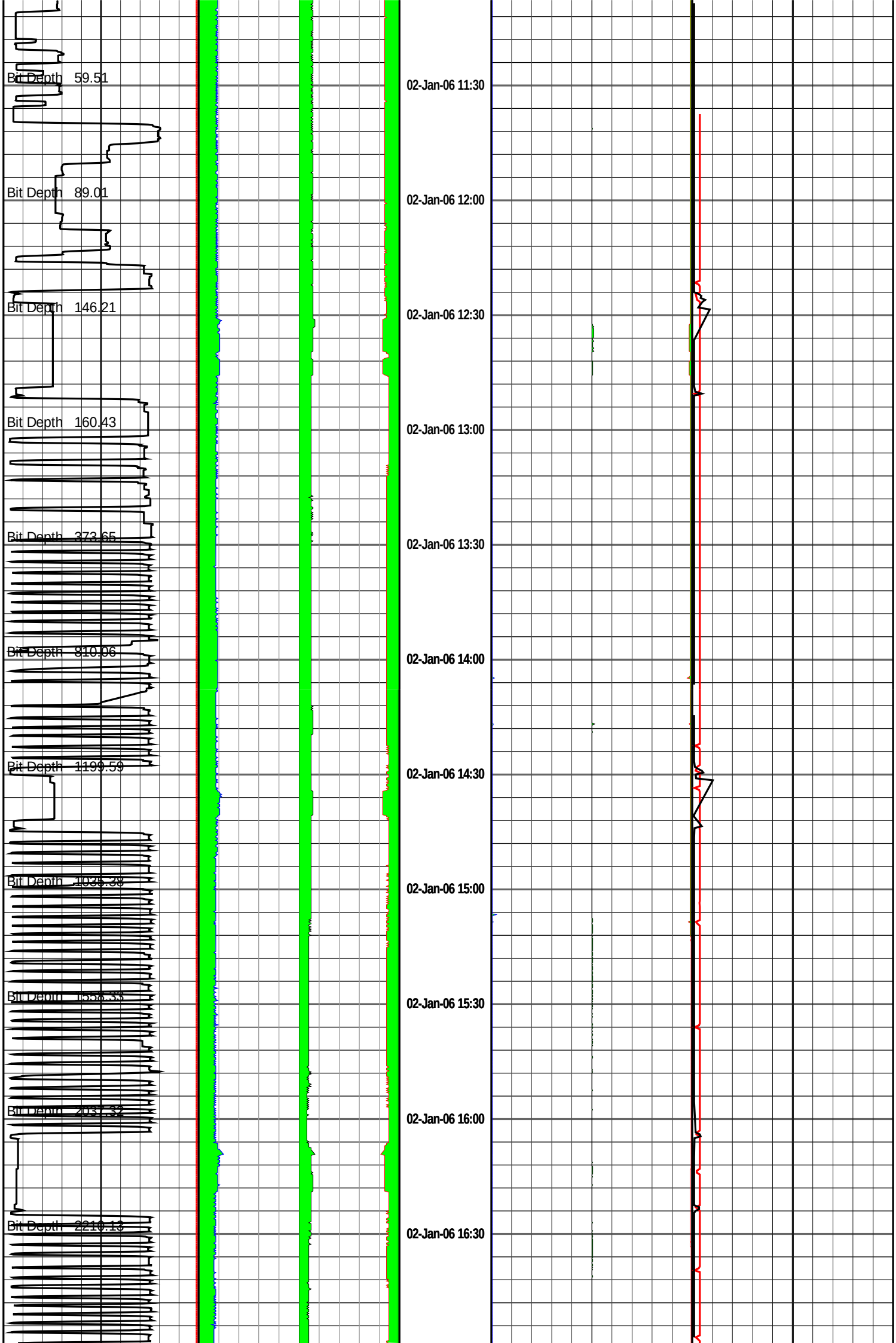
| Run No. | Borehole Record (MD) Size | From | To |
|---|---|---|---|
| 5 | 311.000 mm | 3,571.00 m | 3,571.00 m |

| Run No. | Borehole Record (MD) Size | From | To |
|---|---|---|---|
| | | | |

Casing Record (MD)

| Size | Weight | From | To |
|---|---|---|---|
| 508.000 mm | 192.00 kgpm | SURFACE | 650.00 m |
| 340.000 mm | 101.00 kgpm | SURFACE | 1,511.80 m |

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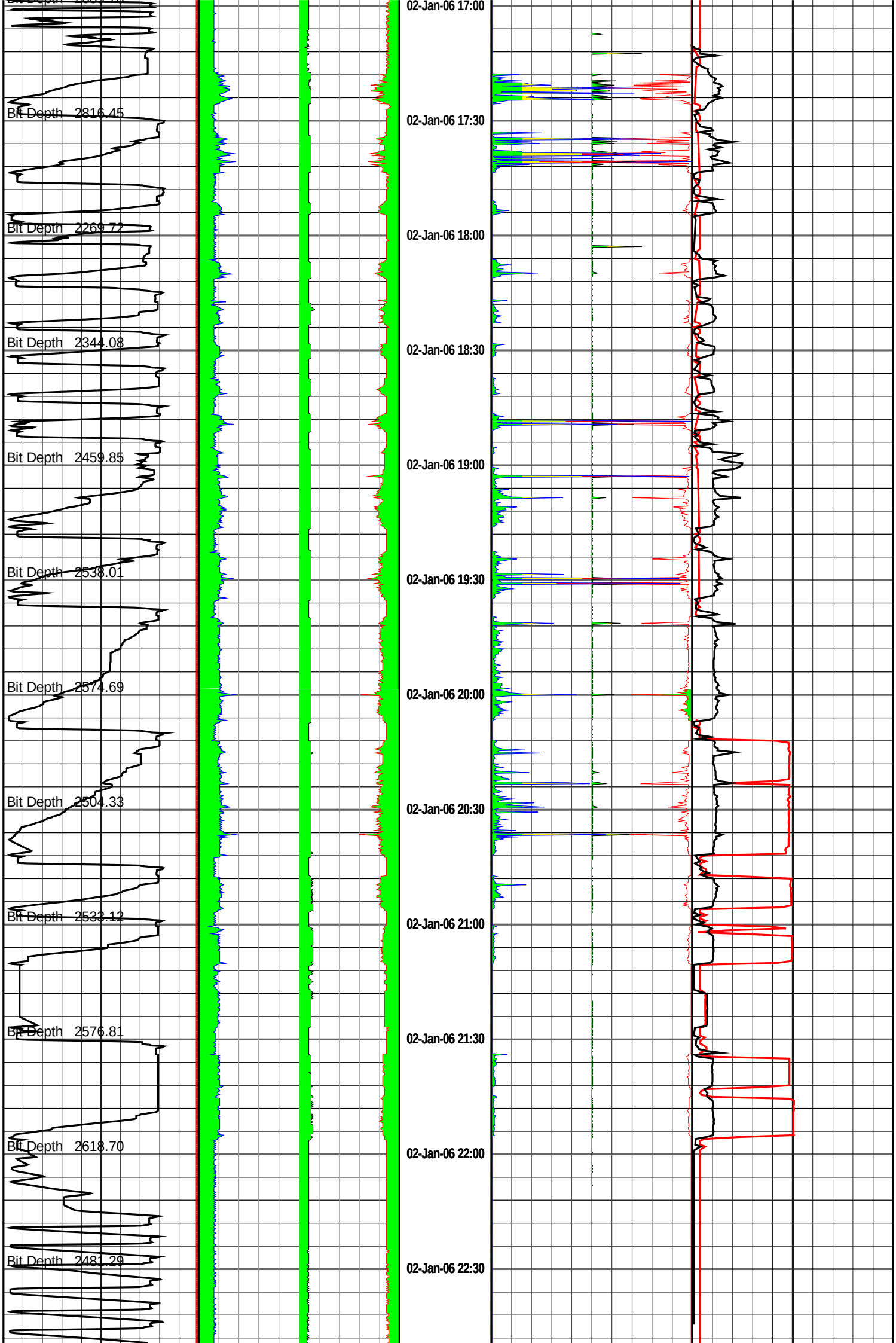
Bit Depth 146.21
Bit Depth 160.43
Bit Depth 373.65
Bit Depth 810.06
Bit Depth 1199.59
Bit Depth 1035.38
Bit Depth 1558.33
Bit Depth 2037.32
Bit Depth 2210.13
02-Jan-06 11:30
02-Jan-06 12:00
02-Jan-06 12:30
02-Jan-06 13:00
02-Jan-06 13:30
02-Jan-06 14:00
02-Jan-06 14:30
02-Jan-06 15:00
02-Jan-06 15:30
02-Jan-06 16:00
02-Jan-06 16:30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Bit Depth 2344.08
Bit Depth 2459.85
Bit Depth 2538.01
Bit Depth 2574.69
Bit Depth 2504.33
Bit Depth 2533.12
Bit Depth 2576.81
Bit Depth 2618.70
Bit Depth 2481.29
02-Jan-06 17:00
02-Jan-06 17:30
02-Jan-06 18:00
02-Jan-06 18:30
02-Jan-06 19:00
02-Jan-06 19:30
02-Jan-06 20:00
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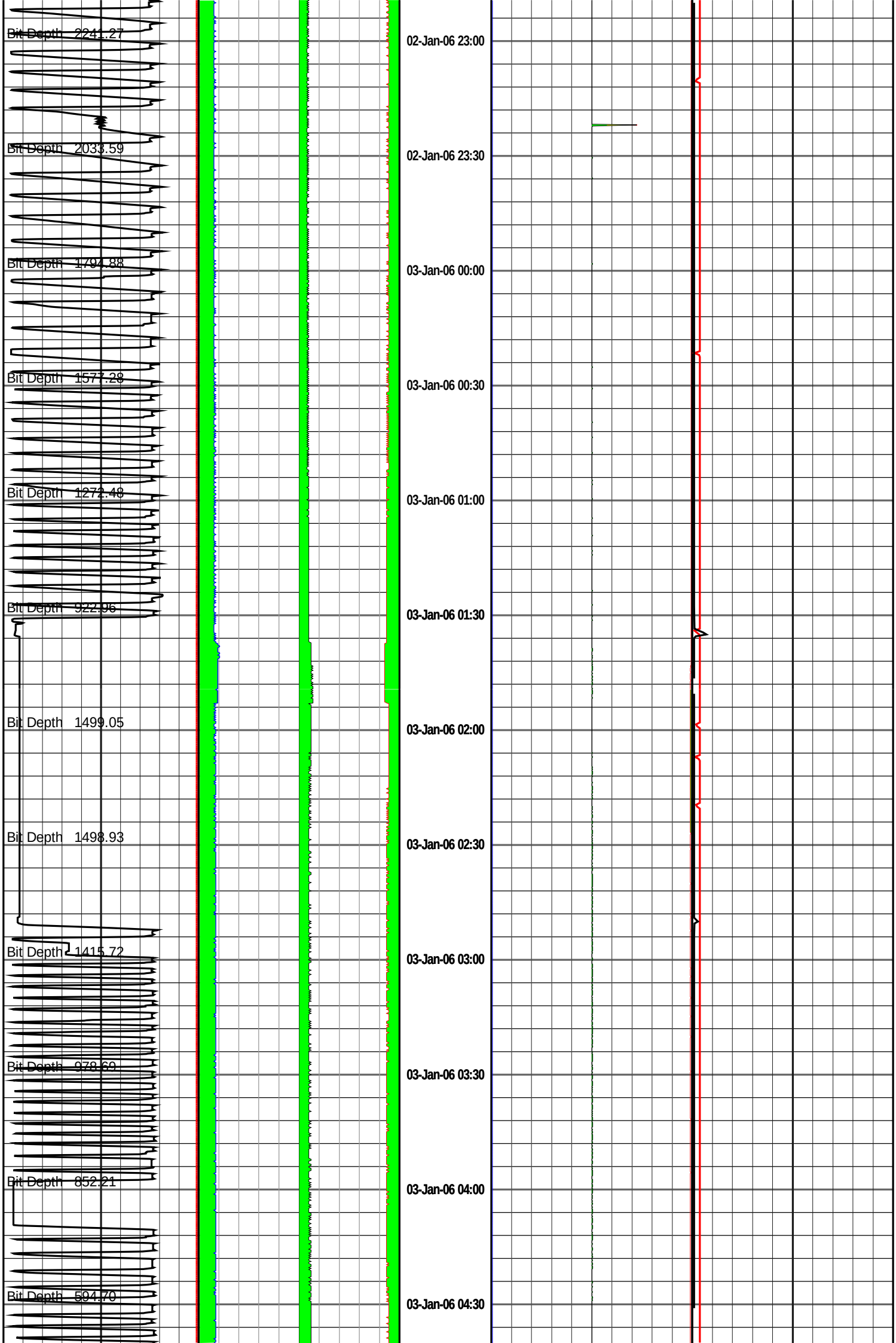
02-Jan-06 22:00
02-Jan-06 22:30


Bit Depth 2241.27
Bit Depth 2033.59
Bit Depth 1794.88
Bit Depth 1577.28
Bit Depth 1272.48
Bit Depth 922.96
Bit Depth 1499.05
Bit Depth 1498.93
Bit Depth 1415.72
Bit Depth 978.69
Bit Depth 852.21
Bit Depth 594.70
02-Jan-06 23:00
02-Jan-06 23:30
03-Jan-06 00:00
03-Jan-06 00:30
03-Jan-06 01:00
03-Jan-06 01:30
03-Jan-06 02:00
03-Jan-06 02:30
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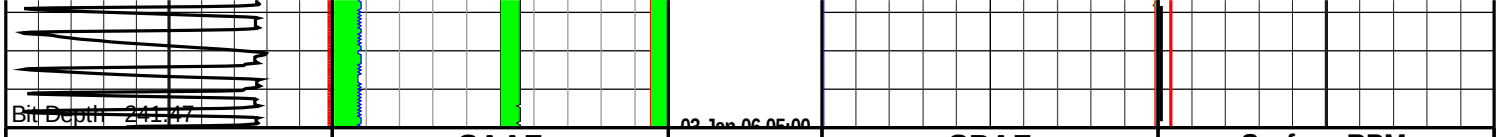
03-Jan-06 04:00
03-Jan-06 04:30




| Block Position | SAAZ | Time & Date | SPAZ | Surface RPM |
|---|---|---|---|---|
| 0 — 60 | -10 — 10 | | -100 — 100 | 0 — 300 |
| metres | g | | g | rev per min |
| **ROP** | **SAAY** | | **SPAY** | **Torque** |
| 100 — 0 | 20 — 0 | | 200 — 0 | 0 — 50 |
| metre per hr | g | | g | foot-klb |
| | **SAAX** | | **SPAX** | **WOB** |
| | 0 — 20 | | 0 — 200 | 0 — 50 |
| | g | | g | kilo pounds |