SeaBird Exploration

M/V Aquila Explorer

# OBSERVERS LOG

SEQ# 017

Line status: COMPLETE

| | | | | | |
|---|---|---|---|---|---|
| **Client:** | DPI | **Prospect:** | Southern Flank 2D | **Line No:** | DPISF-030-P1017 |
| **Party Chief:** | Alexander (Ben) Dyton | **Observers:** | 12:00-00:00 YT GG; 00:00-12:00 IG OG | **Date:** | 27-Feb-10 |

## Recording Parameters

| | |
|---|---|
| System: | Sercel Seal |
| Filter Delay | 0mS |
| Sample rate: | 2mS |
| Digital Lo cut filter: | Combined 4.3 Hz@12db/oct. |
| Digital High cut filter: | 200Hz@370dB/Oct .8N MIN |
| No. Channels: | 408 seismic (+ 36 Aux) |
| Record Length: | 5.632 Second |
| System Start | Aux 1 |
| Water break | Aux 2 |
| Time break | Aux 3 |
| Fire Out | Aux 4 |
| String 1 | Aux 6-12 |
| String 2 | Aux 20-26 |

## Recording Details

| | |
|---|---|
| Media | IBM 3592 |
| Capacity | 60 GB type Economy |
| Format | SEGD format (rev1) |

### Streamer

| | |
|---|---|
| Manufacturer: | Sercel |
| Hydrophone type: | Sercel Flexible (SFH) |
| 'phones / group: | 8 |
| 'phone spacing: | Even |
| Group length: | 12.95 m |
| Group interval: | 12.50 m |
| Sensitivity: | 19.73 V / Bar |
| Active length: | 5100m |
| Depth: | 8 m |

## Line statistics

| | Time | File | SP |
|---|---|---|---|
| FSP | 0:13 | 4857 | 4857 |
| FGSP | 0:15 | 4837 | 4837 |
| FCSP | 0:15 | 4837 | 4837 |
| LFFSP | 7:11 | 1001 | 1001 |
| LGSP | 7:26 | 865 | 865 |
| LSP | 7:26 | 863 | 863 |

### Line comments

| Heading | SOL | EOL |
|---|---|---|
| | | |
| Feather | 1.6° | 1.4° |
| RMS Noise, µB | 3.2 | 1.9 |
| Source Vol | 2360 | 2360 |
| Pressure | 2037 | 2050 |
| Wind, kt | Variable 5 | SW 10 |
| Swell, m | 0.5 | 1/1.5 |
| Swell Dir | W | W/E |
| Tape | 19 | 19 |

## Source

**Depth 6 m**

| | |
|---|---|
| Type: | Bolt 1900LLX |
| No. of guns: | 22 (incl. 2 spares) |
| Total volume: | 2360 |
| Gun arrays: | 1 |
| Sub arrays: | 2 |
| Gun / sub array: | 11 (incl. 1 spare) |
| Pressure: | 2000 psi |

**Shot interval** 18.75

### Navigation

| | | | |
|---|---|---|---|
| Manufacturer | | C&C Tecnologies, USA | |
| System | C-Nav | RTCM | C-Nav |
| GPS | C-Nav | RGPS | Buoylink |
| Fathometer | | Kongsberg EA600 | |
| Gyro | | TSS Meridian Surveyor | |

## Traces

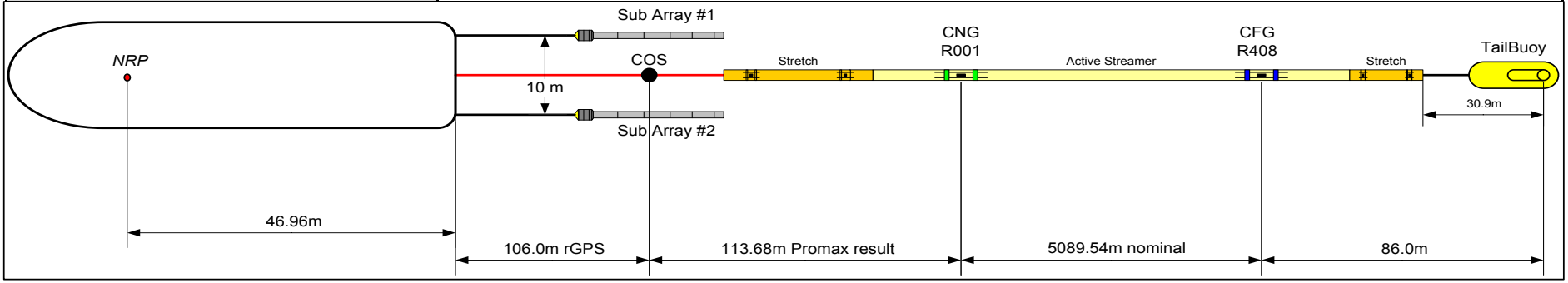
| | Noisy | Weak | Dead | Comments |
|---|---|---|---|---|
| Aux. Ch's | 8, 10, 11, 12 | | | |
| Channel No. | 393 | | | |

**Delta errors 1.00 mS @ SP**

**Misfires @ SP** 2878

**Autofires @ SP**

**Other** Only true errors will be logged. Ignore any other errors from Gunlink



| Client: | DPI | Prospect: | Southern Flank 2D | Line No: | DPISF-030-P1017 |
|---|---|---|---|---|---|
| Line Details | | | | Date: | 27 Feb 10 |

| Time | SP | File | Reel | Error | Comments | RMS Noise | W/Depth | Feather |
|---|---|---|---|---|---|---|---|---|
| UTC | | | | | | µB | m | ° |
| 23:24 | | | | | **Gun Arrays Soft Start.** | | | |
| 23:59 | | | | | **Soft Start Complete.** | | | |
| | | | | | | | | |
| | | 4859 | 19 | | **BOT**, Noise Test | 3.3 | | |
| | | 4858 | | | Noise Test | 3.2 | | |
| **0:13** | **4857** | **4857** | | | **FSP** | | | |
| **0:15** | **4837** | **4837** | | | **FGSP, FCSP, SOL** | | **74.5** | **1.6°** |
| | 2878 | 2878 | | | All guns no fire d/t gunlink error | | | |
| **7:11** | **1001** | **1001** | | | **LFFSP** | | **60.5** | **1.5°** |
| **7:26** | **865** | **865** | | | **LGSP** | | **60.2** | **1.4°** |
| **7:26** | **863** | **863** | | | **LSP. EOL** | | | |
| | | 862 | | | Noise Test | 2.1 | | |
| | | 861 | 19 | | Noise Test, **EOT** | 1.9 | | |
| | | | | ☑ | Cross checked with Navigation | | | |
| | | | | | | | | |
| | | | | | **LINE COMPLETE** | | | |