



# ACQUISITION REPORT Sequence-0089



## Survey:

Client BHPBP  
Area Vic/P45 Gippsland Basin  
Vessel GECO\_BETA  
JobNumber 9227  
Survey Type 8 STREAMER DUAL SOURCE

## Sequence:

Linename GP021856P089  
Preplot GP021856  
Direction 18.0°  
SOL Date 02:14:17utc 12-Sep-2002  
EOL Date 05:35:07utc 12-Sep-2002

## Attributes:

Wind Force 14.0 [knots] Dir WSW  
Swell Height 1.0 [meters] Dir SW  
Propellor rpm 135 [avg]  
Propellor 82 [avg]  
pitch

## **SOL**

## **EOL**

Waterdepth 68.0 77.8 [meters]  
Bottomspeed 3.9 3.6 [knots]  
Featherangle port -13.9 port -3.4 [deg]  
Cable noise 9.6 7.0 [μBar rms]  
Lowcut filter 3 3 [hz]  
Filter slope 18 18 [dB]  
Filter Slope 18 18  
Port Volume 3542.0 3542.0  
Stbd Volume 3542.0 3542.0

## Source Configuration

| Source Number | Position | Inline Offset [m] | Crossline Offset [m] | Nominal Depth [m] | Nom. Vol. [inch <sup>3</sup> ] | Subarray Count | Gun Count |
|---------------|----------|-------------------|----------------------|-------------------|--------------------------------|----------------|-----------|
| 1             | STBD     | -345.0            | 25.0                 | -7.0              | 3542.0                         | 3              | 24        |
| 2             | PORT     | -345.0            | -25.0                | -7.0              | 3542.0                         | 3              | 24        |

## Streamer Configuration

| Streamer Number | Position | Inline Offset [m] | Crossline Offset [m] | Nominal Depth [m] | Length [m] | Type     | Group Interval [m] | Channel Count | Front-Tail |
|-----------------|----------|-------------------|----------------------|-------------------|------------|----------|--------------------|---------------|------------|
| 1               | STBD     | -520.0            | 350.0                | -8.0              | 4600       | Nessie-3 | 12.5               | 368           | 0001-0368  |
| 2               | STBD     | -520.0            | 250.0                | -8.0              | 4600       | Nessie-3 | 12.5               | 368           | 0369-0736  |
| 3               | STBD     | -520.0            | 150.0                | -8.0              | 4600       | Nessie-3 | 12.5               | 368           | 0737-1104  |
| 4               | STBD     | -520.0            | 50.0                 | -8.0              | 4600       | Nessie-3 | 12.5               | 368           | 1105-1472  |
| 5               | PORT     | -520.0            | -50.0                | -8.0              | 4600       | Nessie-3 | 12.5               | 368           | 1473-1840  |
| 6               | PORT     | -520.0            | -150.0               | -8.0              | 4600       | Nessie-3 | 12.5               | 368           | 1841-2208  |
| 7               | PORT     | -520.0            | -250.0               | -8.0              | 4600       | Nessie-3 | 12.5               | 368           | 2209-2576  |
| 8               | PORT     | -520.0            | -350.0               | -8.0              | 4600       | Nessie-3 | 12.5               | 368           | 2577-2944  |

## Recording Configuration

| Channel Set | Descr. Format | Recording | Data Reduction | RecLen [ss <sup>1</sup> ] | Sample Int. [ms] | Chan In | Chan # In | Chan Out | Chan # Out | Filter Delay [ms] |
|-------------|---------------|-----------|----------------|---------------------------|------------------|---------|-----------|----------|------------|-------------------|
|-------------|---------------|-----------|----------------|---------------------------|------------------|---------|-----------|----------|------------|-------------------|

|   |      |                  |      |     |      |      |           |      |             |      |
|---|------|------------------|------|-----|------|------|-----------|------|-------------|------|
| 1 | NFH  | SEGD 8015, Rev.2 | NONE | 6.0 | 0.25 | 0036 | 0001-0036 | 0036 | 0001 - 0036 | 0.00 |
| 2 | SEIS | SEGD 8015, Rev.2 | NONE | 6.0 | 2.0  | 0368 | 0001-0368 | 0368 | 0001 - 0368 | 5.60 |
| 3 | SEIS | SEGD 8015, Rev.2 | NONE | 6.0 | 2.0  | 0368 | 0369-0736 | 0368 | 0369 - 0736 | 5.60 |
| 4 | SEIS | SEGD 8015, Rev.2 | NONE | 6.0 | 2.0  | 0368 | 0737-1104 | 0368 | 0737 - 1104 | 5.60 |
| 5 | SEIS | SEGD 8015, Rev.2 | NONE | 6.0 | 2.0  | 0368 | 1105-1472 | 0368 | 1105 - 1472 | 5.60 |
| 6 | SEIS | SEGD 8015, Rev.2 | NONE | 6.0 | 2.0  | 0368 | 1473-1840 | 0368 | 1473 - 1840 | 5.60 |
| 7 | SEIS | SEGD 8015, Rev.2 | NONE | 6.0 | 2.0  | 0368 | 1841-2208 | 0368 | 1841 - 2208 | 5.60 |
| 8 | SEIS | SEGD 8015, Rev.2 | NONE | 6.0 | 2.0  | 0368 | 2209-2576 | 0368 | 2209 - 2576 | 5.60 |
| 9 | SEIS | SEGD 8015, Rev.2 | NONE | 6.0 | 2.0  | 0368 | 2577-2944 | 0368 | 2577 - 2944 | 5.60 |

### Production

|                              | Shotpoint                                                                                                                                   | File              | Time [utc]          |        |        |         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|--------|--------|---------|
| SOL Noise Record(s)          |                                                                                                                                             | 3293 - 3292       |                     |        |        |         |
| SOL Dummy Record(s)          | 3291 - 3262                                                                                                                                 | 3291 - 3262       | 02:09:41 - 02:14:08 |        |        |         |
| FSP Start of Line MSP        | 3261                                                                                                                                        | 3261              | 02:14:17            |        |        |         |
| LSP End of Line              | 2053                                                                                                                                        | 2053              | 05:35:07            |        |        |         |
| EOL Dummy Record(s)          | 2052 - 2047                                                                                                                                 | 2052 - 2047       | 05:35:17 - 05:36:07 |        |        |         |
| EOL Noise Record(s)          |                                                                                                                                             | 2047 - 2046       |                     |        |        |         |
| <b><u>Line-segments:</u></b> |                                                                                                                                             |                   |                     |        |        |         |
| SPs                          | Files                                                                                                                                       | Times [utc]       | Type                | # CMPs | Status | Remarks |
| 3261 - 2053                  | 3261 - 2053                                                                                                                                 | 02:14:17-05:35:07 | Prime               | 16     | Valid  |         |
| <b><u>Remarks:</u></b>       |                                                                                                                                             |                   |                     |        |        |         |
| Navigation                   | Streamer depth 8mtrs                                                                                                                        |                   |                     |        |        |         |
| Recording QC                 | Frontsheet Set 1. Gundepth calibrated at atmospheric pressure 1032mB, pressure now 1032mB. Heavy ship noise from astern on SOL noise record |                   |                     |        |        |         |

### Tape-list

| Stream 1    |             |           |     |        |
|-------------|-------------|-----------|-----|--------|
| Shot(s)     | Files       | Deck Reel |     | Remark |
| 3293 - 2864 | 3293 - 2864 | 1         | 408 |        |
| 2863 - 2434 | 2863 - 2434 | 2         | 409 |        |
| 2433 - 2047 | 2433 - 2047 | 2         | 410 |        |

|                 |              |             |             |               |
|-----------------|--------------|-------------|-------------|---------------|
| 2433 - 2047     | 2433 - 2047  | 2           | 410         |               |
| <b>Stream 2</b> |              |             |             |               |
| <b>Shot(s)</b>  | <b>Files</b> | <b>Deck</b> | <b>Reel</b> | <b>Remark</b> |
| 3293 - 2864     | 3293 - 2864  | 3           | 408         |               |
| 2863 - 2434     | 2863 - 2434  | 4           | 409         |               |
| 2433 - 2047     | 2433 - 2047  | 3           | 410         |               |

## Seismic Data Annotations

### NTBP

| Shot(s)       | File(s)       | Trace(s)                           | Type             | Remark                                       |
|---------------|---------------|------------------------------------|------------------|----------------------------------------------|
| ALL           | ALL-<br>2047  | 161, 1846,<br>1983                 | Killed traces    |                                              |
| ALL           | ALL           | 1492                               | Weak Trace(s)    | Trace signal less than -6dB of nominal value |
| ALL           | ALL           | 109, 243,<br>1553, 1657,<br>1991   | Spiking Trace(s) |                                              |
| ALL           | ALL           | 304                                | Noisy Trace(s)   |                                              |
| 3259-<br>3256 | 3259-<br>3256 | ALL                                | Guns not fired   |                                              |
| 2078          | 2078          | 2876, 2892,<br>2908, 2924,<br>2940 | Parity errors    |                                              |

### Warning

| Shot(s)       | File(s)       | Trace(s)  | Type                   | Remark                                      |
|---------------|---------------|-----------|------------------------|---------------------------------------------|
| 2809-<br>2795 | 2809-<br>2795 | 242-265   | Bird depth out of spec | Bird C1-12                                  |
| 2753-<br>2684 | 2753-<br>2684 | 1-80      | Streamer noise         | Low frequency noise dt currents approx 15uB |
| 2753-<br>2684 | 2753-<br>2684 | 369-449   | Streamer noise         | Low frequency noise dt currents approx 15uB |
| 2753-<br>2684 | 2753-<br>2684 | 737-817   | Streamer noise         | Low frequency noise dt currents approx 15uB |
| 2753-<br>2684 | 2753-<br>2684 | 1105-1185 | Streamer noise         | Low frequency noise dt currents approx 15uB |
| 2753-<br>2684 | 2753-<br>2684 | 1473-1553 | Streamer noise         | Low frequency noise dt currents approx 15uB |
| 2753-<br>2684 | 2753-<br>2684 | 1841-1921 | Streamer noise         | Low frequency noise dt currents approx 15uB |
| 2753-<br>2684 | 2753-<br>2684 | 2209-2289 | Streamer noise         | Low frequency noise dt currents approx 15uB |
| 2753-<br>2684 | 2753-<br>2684 | 2577-2657 | Streamer noise         | Low frequency noise dt currents approx 15uB |
| 2557-<br>2546 | 2557-<br>2546 | 2234-2257 | Bird depth out of spec | Bird C7-3                                   |

|           |           |           |                        |                           |
|-----------|-----------|-----------|------------------------|---------------------------|
| 2554-2545 | 2554-2545 | 2258-2281 | Bird depth out of spec | Bird C7-4                 |
| 2441      | 2441      | ALL       | Gun Timing Error       | Gun 2-3 error (ms) : -1.5 |
| 2399      | 2399      | ALL       | Gun timing error       | Gun 2-3 error (ms) : -1.1 |
| 2341      | 2341      | ALL       | Gun timing error       | Gun 2-3 error (ms) : -1.1 |
| 2175-2162 | 2175-2162 | 2626-2649 | Bird depth out of spec | Bird C8-4                 |

### Comment

| Shot(s) | File(s) | Trace(s) | Type | Remark |
|---------|---------|----------|------|--------|
|---------|---------|----------|------|--------|

|                                    |                                      |             |                            |
|------------------------------------|--------------------------------------|-------------|----------------------------|
| <b>List of used abbreviations:</b> |                                      |             |                            |
| <b>SOL/EOL</b>                     | Start/End of line.                   | <b>Deg</b>  | Degrees: e[0,360]          |
| <b>FSP/LSP</b>                     | First/Last shotpoint of the line.    | <b>rev</b>  | Revolutions                |
| <b>FCSP/LCSP</b>                   | First/Last chargeable shotpoint      | <b>utc</b>  | Universal Time Coordinated |
| <b>MSP</b>                         | Midnight (last) shotpoint of the day | <b>SPs</b>  | Shotpoints                 |
| <b>FGSP/LGSP</b>                   | First/Last Good Shotpoint            | <b>CMPs</b> | Common midpoints           |
| <b>FOSP/LOSP</b>                   | First/Last Overlap Shotpoint         | <b>NTBP</b> | Not to be processed        |
| <b>FSP/LSP R/O</b>                 | First/Last Shotpoint Runout          | <b>SI</b>   | Seismic interference       |