



ACQUISITION REPORT Sequence-0017



Survey:

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

Sequence:

Linename GP021136P017
Preplot GP021136
Direction 18.0°
SOL Date 20:51:28utc 15-Aug-2002
EOL Date 01:02:31utc 16-Aug-2002

Attributes:

| | | | |
|-----------------|------|----------|--------|
| Wind Force | 15.0 | [knots] | Dir SW |
| Swell Height | 3.0 | [meters] | Dir SW |
| Propellor rpm | 135 | [avg] | |
| Propellor pitch | 90 | [avg] | |

| | SOL | EOL | |
|---------------|----------|-----------|------------|
| Waterdepth | 93.0 | 286.0 | [meters] |
| Bottomspeed | 4.6 | 4.8 | [knots] |
| Featherangle | sb +17.4 | port -3.2 | [deg] |
| Cable noise | 28.2 | 31.9 | [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 ³] | 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 ¹] | 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) | | 2993 - 2992 | | | | |
| SOL Dummy Record(s) | 2991 - 2982 | 2991 - 2982 | 20:50:11 - 20:51:20 | | | |
| FSP Start of Line | 2981 | 2981 | 20:51:28 | | | |
| MSP | 1624 | 1624 | 23:59:58 | | | |
| LSP End of Line | 1143 | 1143 | 01:02:31 | | | |
| EOL Dummy Record(s) | | | | | | |
| EOL Noise Record(s) | | 1142 - 1142 | | | | |
| <u>Line-segments:</u> | | | | | | |
| SPs | Files | Times [utc] | Type | # CMPs | Status | Remarks |
| 2981 - 1143 | 2981 - 1143 | 20:51:28-01:02:31 | Prime | 16 | Valid | |
| <u>Remarks:</u> | | | | | | |
| Navigation | | Streamer depth 8.0 mtr | | | | |
| Recording QC | | Frontsheet Set 1. Gundepth calibrated at atmospheric pressure 1032mB, pressure now 1031mB. | | | | |

Tape-list

| Stream 1 | | | | |
|-------------|-------------|-----------|----|--------|
| Shot(s) | Files | Deck Reel | | Remark |
| 2993 - 2564 | 2993 - 2564 | 2 | 75 | |
| 2563 - 2134 | 2563 - 2134 | 1 | 76 | |
| 2133 - 1704 | 2133 - 1704 | 2 | 77 | |
| 1703 - 1274 | 1703 - 1274 | 1 | 78 | |
| 1273 - 1143 | 1273 - 1143 | 2 | 79 | |

Stream 2

| Stream 2 | | | | |
|-------------|-------------|-----------|----|--------|
| Shot(s) | Files | Deck Reel | | Remark |
| 2993 - 2564 | 2993 - 2564 | 4 | 75 | |
| 2563 - 2134 | 2563 - 2134 | 3 | 76 | |
| 2133 - 1704 | 2133 - 1704 | 4 | 77 | |
| 1703 - 1274 | 1703 - 1274 | 3 | 78 | |
| 1273 - 1143 | 1273 - 1143 | 4 | 79 | |

Seismic Data Annotations

NTBP

| Shot(s) | File(s) | Trace(s) | Type | Remark |
|-----------|-----------|------------------|------------------------|--|
| ALL | ALL | 2497, 1492, 1983 | Weak Trace(s) | Trace signal less than -6dB of nominal value |
| ALL | ALL | 304, 243 | Noisy Trace(s) | |
| ALL | ALL | 1657, 2345 | Spiking Trace(s) | |
| ALL | ALL | 109, 161, 1846 | Killed Trace(s) | |
| 2934-2929 | 2934-2929 | 2258-2281 | Bird depth out of spec | Bird C7-4 max 10.3 m |
| 2681-2657 | 2681-2657 | 2282-2305 | Bird depth out of spec | Bird C7-5 max 10.3 m |
| 2635 | 2635 | ALL | External header lost | |
| 1473-1458 | 1473-1458 | 2650-2673 | Bird depth out of spec | Bird C8-5 max 10.3 m |
| 1463-1451 | 1463-1451 | 2674-2697 | Bird depth out of spec | Bird C8-6 max 10.6 m |
| 1319-1303 | 1319-1303 | 586-609 | Bird depth out of spec | Bird C2-11 max 10.4 m |
| 1277-1261 | 1277-1261 | 418-441 | Bird depth out of spec | Bird C2-4 max 10.3 m |
| 1270-1253 | 1270-1253 | 418-441 | Bird depth out of spec | Bird C2-4 max 10.7 m |

Warning

| Shot(s) | File(s) | Trace(s) | Type | Remark |
|---------|---------|--|----------------|---|
| ALL | ALL | ALL | Swell Noise | Swell noise on all cables approx 20-30% breakout. |
| ALL | ALL | ALL | Streamer depth | All cable and gun depths occ erratic due to large swell |
| ALL | ALL | 1-7, 9, 12, 369-374, 737-738, 2209-2225, 2227-2228, 2231, 2577-2595, 2597-2600 | Slope alarm | > 5% of total line |

| | | | | |
|-----------|-----------|------|------------------------|--|
| 2955 | 2955 | ALL | Gun Timing Error | Gun 2-3 (-1.1 ms) |
| 2924-2915 | 2924-2915 | NONE | Bird depth out of spec | Bird C8-4 max 10.1 m |
| 2842 | 2842 | ALL | Gun Timing Error | Gun 5-3 (1.2 ms) |
| 2628 | 2628 | ALL | Gun Timing Error | Gun 5-4 (-1.3 ms) |
| 2608 | 2608 | ALL | Gun Timing Error | Gun 5-4 (-1.1 ms) |
| 2606 | 2606 | ALL | Gun Timing Error | Gun 5-4 (-1.2 ms) |
| 2589 | 2589 | ALL | Gun Timing Error | Gun 2-3 (-1.2 ms) |
| 2539 | 2539 | ALL | Gun Timing Error | Gun 2-3 (-1.1 ms) |
| 2506 | 2506 | ALL | Gun Timing Error | Gun 2-3 (-1.1 ms) |
| 2501 | 2501 | ALL | Gun Timing Error | Gun 2-3 (-1.3 ms) |
| 2476 | 2476 | ALL | Gun Timing Error | Gun 5-4 (-1.2 ms) |
| 2430 | 2430 | ALL | Gun Timing Error | Gun 5-4 (-1.2 ms) |
| 2345 | 2345 | ALL | Gun Timing Error | Gun 2-3 (-1.3 ms) |
| 2295 | 2295 | ALL | Gun Timing Error | Gun 2-3 (-1.1 ms) |
| 2225 | 2225 | ALL | Gun Timing Error | Gun 2-3 (-1.1 ms) |
| 2215 | 2215 | ALL | Gun Timing Error | Gun 2-3 (-1.2 ms) |
| 2137 | 2137 | ALL | Gun Timing Error | Gun 2-3 (-1.5 ms) |
| 2118 | 2118 | ALL | Gun Timing Error | Gun 5-4 (-1.1 ms) |
| 2100-1820 | 2100-1820 | ALL | Strong Reflections | Multiples and late arrival observed in the data. |
| 1998 | 1998 | ALL | Gun timing error | Gun 5-3 error (ms) : 1.1 |
| 1995 | 1995 | ALL | Gun timing error | Gun 2-3 error (ms) : -1.1 |
| 1952-1945 | 1952-1945 | NONE | Bird depth out of spec | Bird C7-5 max 10.0 m |
| 1854 | 1854 | ALL | Gun timing error | Gun 5-4 error (ms) : -1.2 |
| 1804 | 1804 | ALL | Gun timing error | Gun 5-4 error (ms) : -1.2 |
| 1764 | 1764 | ALL | Gun timing error | Gun 5-4 error (ms) : -1.2 |
| 1580 | 1580 | ALL | Gun timing error | Gun 5-4 error (ms) : -1.2 |
| 1544 | 1544 | ALL | Gun timing error | Gun 5-4 error (ms) : -1.3 |
| 1540 | 1540 | ALL | Gun timing error | Gun 5-4 error (ms) : -1.3 |
| 1518 | 1518 | ALL | Gun timing error | Gun 5-4 error (ms) : -1.1 |
| 1487 | 1487 | ALL | Gun timing error | Gun 2-3 error (ms) : -1.1 |
| 1452 | 1452 | ALL | Gun timing error | Gun 5-3 error (ms) : 1.1 |
| 1400 | 1400 | ALL | Gun timing error | Gun 5-4 error (ms) : -1.2 |
| 1387 | 1387 | ALL | Gun timing error | Gun 2-3 error (ms) : -1.4 |
| 1380 | 1380 | ALL | Gun timing error | Gun 5-4 error (ms) : -1.1 |
| 1280 | 1280 | ALL | Gun timing error | Gun 5-3 error (ms) : 1.1 |
| 1199 | 1199 | ALL | Gun timing error | Gun 2-3 error (ms) : -1.2 |
| 1179 | 1179 | ALL | Gun timing error | Gun 2-3 error (ms) : -1.2 |

Comment

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

List of used abbreviations:

| | |
|--------------------|--------------------------------------|
| SOL/EOL | Start/End of line. |
| FSP/LSP | First/Last shotpoint of the line. |
| FCSP/LCSP | First/Last chargeable shotpoint |
| MSP | Midnight (last) shotpoint of the day |
| FGSP/LGSP | First/Last Good Shotpoint |
| FOSP/LOSP | First/Last Overlap Shotpoint |
| FSP/LSP R/O | First/Last Shotpoint Runout |

| | |
|-------------|----------------------------|
| Deg | Degrees: e[0,360] |
| rev | Revolutions |
| utc | Universal Time Coordinated |
| SPs | Shotpoints |
| CMPs | Common midpoints |
| NTBP | Not to be processed |
| SI | Seismic interference |