



# ACQUISITION REPORT

## Sequence-0059



### Survey:

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

### Sequence:

Linename GP021488P059  
Preplot GP021488  
Direction 198.0°  
SOL Date 19:12:41utc 28-Aug-2002  
EOL Date 00:28:18utc 29-Aug-2002

### Attributes:

Wind Force 15.0 [knots] Dir NE  
Swell Height 1.5 [meters] Dir NE  
Propellor 135 [avg]  
rpm  
Propellor 90 [avg]  
pitch

	SOL	EOL	
Waterdepth	107.0	65.0	[meters]
	5.2	4.5	[knots]
Bottomspeed	sb +11.3	port -3.2	[deg]
Featherangle			
Cable noise	28.7	8.4	[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
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### Recording Configuration

Channel Set	Descr.	Recording Format	Data Reduction	RecLen [ss ']	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)			
SOL Dummy Record(s)	991 - 1000	991 - 1000	19:11:32 - 19:12:34
FSP Start of Line	1001	1001	19:12:41
MSP	3181	3181	
LSP End of Line	3394	3394	00:28:18

EOL Dummy  
Record(s)

EOL Noise 3395-3396 3395-3396

**Recording QC**

Frontsheet Set 1. Gundept depth calibrated at atmospheric pressure 1032mB, pressure now 1022mB. Intermittant manifold pressure reading on gun array 5 - all real pressures in spec. High noise value, bend in cables @ SOL d/t short run-in.

**Tape-list**

Stream 1				
Shot(s)	Files	Deck Reel		Remark
989 - 1418	989 - 1418	2	289	
1419 - 1848	1419 - 1848	1	290	
1849 - 2278	1849 - 2278	2	291	
2279 - 2708	2279 - 2708	1	292	
2709 - 3138	2709 - 3138	2	293	
3139 - 3396	3139 - 3396	1	294	
Stream 2				
Shot(s)	Files	Deck Reel		Remark
989 - 1418	989 - 1418	4	289	
1419 - 1848	1419 - 1848	3	290	
1849 - 2278	1849 - 2278	4	291	
2279 - 2708	2279 - 2708	3	292	
2709 - 3138	2709 - 3138	4	293	
3139 - 3396	3139 - 3396	3	294	

**Seismic Data Annotations****NTBP**

<b>Shot(s)</b>	<b>File(s)</b>	<b>Trace(s)</b>	<b>Type</b>	<b>Remark</b>
ALL	ALL-	161	Killed traces	
ALL	ALL-	1846	Killed traces	
ALL	ALL	304	Noisy Trace(s)	
ALL	ALL	1492	Weak Trace(s)	Trace signal less than -6dB of nominal value
ALL	ALL	1991, 243, 109, 1657, 1983	Spiking Trace(s)	
1012	1012	ALL	Gun autofire	Gun 5-6 at -59 ms after aimpoint
1052	1052	ALL	Gun autofire	Gun 5-6 at -69 ms after aimpoint
1583-1591	1583-1591	2650-2673	Bird depth out of spec	Bird 8-5 max 11.0 m
1878	1878	ALL	Gun timing error	Gun 4-5 error (ms) : -1.1
1884-1960	1884-1960	2378-2401	Bird depth out of spec	Bird 7-9 max 11.0 m
2104-2112	2104-2112	2626-2649	Bird depth out of spec	Bird C8-4 max 10.6 m
2108-2127	2108-2127	2650-2673	Bird depth out of spec	Bird C8-5 max 10.6 m

2112-2131	2112-2131	2674-2697	Bird depth out of spec	Bird C8-6 max 11.0 m
2119-2124	2119-2124	2626-2649	Bird depth out of spec	Bird C8-4 max 10.5 m
2240		ALL	External header lost	

### Warning

Shot(s)	File(s)	Trace(s)	Type	Remark
ALL	ALL	ALL	Swell Noise	Occ swell slight swell breakout seen approx 5-10%
ALL	ALL	ALL	Erratic pressure indicator	Pressure indicator subarray 5 occ erratic.
ALL	ALL	1-13, 15-16, 22, 369-381, 737-739, 741, 745-748, 751-752, 755, 758, 760, 763-764, 2209-2228, 2231, 2233, 2235, 2241, 2577-2595, 2597-2600	Slope alarm	> 5% of total line
1070	1070	ALL	Gun timing error	Gun 4-5 error (ms) : 1.1
1721	1721	ALL	Gun timing error	Gun 2-3 error (ms) : -1.1
1918-1925	1918-1925	NONE	Bird depth out of spec	Bird C7-8 max 10.2 m
2035-2042	2035-2042	NONE	Bird depth out of spec	Bird C7-4
2047-2057	2047-2057	NONE	Bird depth out of spec	Bird C8-4
2049-2062	2049-2062	NONE	Bird depth out of spec	Bird C8-5
2105	2105	ALL	Gun timing error	Gun 2-3 error (ms) : -1.3
2106-2111	2106-2111	NONE	Bird depth out of spec	Bird C8-6
2114-2140	2114-2140	NONE	Bird depth out of spec	Bird C8-7
2164	2164	ALL	Gun timing error	Gun 6-1 error (ms) : 1.9
2166-2167	2166-2167	ALL	Manifold pressure low	Subarray 5 sensor faulty - gun pressure fully normal
2178-2179	2178-2179	ALL	Manifold pressure low	Subarray 5 sensor faulty - gun pressure fully normal
2345		ALL	Gun timing error	Gun 2-3 error (ms) : -1.2
2383		ALL	Gun timing error	Gun 2-3 error (ms) : -1.1
2457		ALL	Gun timing error	Gun 2-3 error (ms) : -1.2
2646		ALL	Gun timing error	Gun 4-5 error (ms) : -1.6
2691		ALL	Gun timing error	Gun 2-3 error (ms) : -1.3
2692		ALL	Gun timing error	Gun 5-4 error (ms) : -1.1

2729	ALL	Gun timing error	Gun 1-2 error (ms) : 1.6
3280	ALL	Gun timing error	Gun 4-5 error (ms) : -1.4
3290	ALL	Gun timing error	Gun 4-5 error (ms) : -1.1
3309	ALL	Gun timing error	Gun 2-3 error (ms) : -1.2

### Comment

Shot(s)	File(s)	Trace(s)	Type	Remark
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<b>List of used abbreviations:</b>		
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