



OBSERVER LOG

Sequence: 18

Vessel: M/V Pacific Titan
 Client: Santos
 Project #: Job: 6211
 Area: Cape Sorell, Tasmania

Line Name: **SS04-009-018**

Direction: **243**
 Date Shot: **19 January 2005**

Party Chief: Alf Dale Chief Obs: Jacob Ib Observers: Peter Wardle, Tyrone Hackett, Virgillio Carreon

SOL Time (UTC)	SOLTape#	First File	SOL SP	SOL File	FGSP	FGSP File	FGSP Time (UTC)
21:45	034	979	981	981	1001	1001	21:48

EOL Time (UTC)	EOLTape#	Last File	EOL SP	EOL File	LGSP	LGSP File	LGSP Time (UTC)
01:33	035	2425	2424	2424	2419	2419	01:32

	Wind Speed	Swell	Streamer Feather	Filtered Noise	Bottom Speed	Water Speed	Water Depth	Streamer Depth	Source Volume	
SOL	16 kts S	2 m	60° Starboard	n/a µB	5.0 kts.	5.1 kts.	87 m	9 m	3040	cu. in
EOL	12 kts S	2 m	1° Port	8.5 µB	5.0 kts.	5.0 kts.	990 m	9 m	3040	cu. in

Recording Parameters

Recording System	Seal
Record Length	8000 ms
Sample Rate	2 ms
Start Of Acquisition	System Start (Aux 1)
Start Of Data to Shot	50ms (Aux 2)
Low Cut Filter	OUT
Hi Cut Filter	200 Hz @ 370 dB / Octave
Tape Format	Demux. SEGD rev 1, 8058
Tape Brand	Imation 3590 10Gb
Polarity	First Break is Negative
Shot Point Interval	25m

Source Parameters

Array Volume	3040 cubic inches
Operating Pressure	2000 psi +/- 10%
Array Configuration	3 Strings
Array Numbering	Stbd to Port / 1 to 3
Array Separation	10 m
Source Depth	5 m +/- 1.0m
Center Source to Nav Mast	166 m
Comment	

Auxiliary Channels

1: System Start	3: 450ms TB	5:
2: TB	4: WB	

Near Field Hydrophones

Array 1	Array 2	Array 3
Starboard	Center	Port
13: Fwd	16: Fwd	19: Fwd
14: Mid	17: Mid	20: Mid
15: Aft	18: Aft	21: Aft

Streamer Parameters

Number of Streamers	1
Streamer Length	6000m
Number Channels	480
Group Interval	12.5 m
Operating Depth	7m +/- 1
Offset CSCNG	114 m (Centre of source to centre of near group)

Sequence breakdown

Start	End	Status	Comment
1001	2290	Prime	
2291	2419	Runout	
2420	2424	Edit	

Channels as recorded

AuxChannels: 481-501
Streamer1: 1-480

Line Comments

Soft start commenced @ 21:09 GMT
 Cable set to 9 metres due to weather conditions.
 Cable in turn at SOL d/t shallows shortening run-in length, approx 120 channels straight at SOL.
 SOL Swell Noise evident affecting < 20% of traces < 20µB
 SOL - Guns 2-1 and 2-2 enabled, Guns 2-3 and 2-4 disabled. Vol = 3040cuin
 SP 1120 - No turn noise now on cable.
 SP 1841 Midnight SP GMT

Bad Channels

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Line Status: Complete

<i>GMT</i>	<i>Tape</i>	<i>Drive</i>	<i>File</i>	<i>SP</i>	<i>Event</i>	<i>Remarks</i>
	034	1/3	979		BOT	Noise Records
21:45			981	981	SOL	Nav Run In SP
21:48			1001	1001	FGSP	
			1075	1075	GUN	Gun 1-2 delta error 1.1ms
			1122	1122	GUN	Gun 1-2 delta error 1.3ms
			1198	1198	GUN	Gun 1-2 delta error 1.1ms
			1204	1204	GUN	Gun 1-2 delta error 1.4ms
			1283	1283	GUN	Gun 1-2 delta error 1.2ms
			1408	1408	GUN	Gun 1-2 delta error 1.1ms
			1535	1535	GUN	Gun 1-2 delta error 1.1ms
			1541	1541	GUN	Gun 1-2 delta error 1.2ms
			1549	1549	GUN	Gun 1-2 delta error 1.1ms
			1569	1569	GUN	Gun 1-2 delta error 1.2ms
			1686	1686	GUN	Gun 1-2 delta error 1.3ms
			1759	1759	GUN	Gun 1-2 delta error 1.1ms
			1782	1782	GUN	Gun 1-2 delta error 1.1ms
			2002	2002	GUN	Gun 1-2 delta error 1.1ms
			2170	2170	NAV	Bad Shot (Nav Header)
	034	1/3	2178	2178	EOT	
	035	1/3	2179	2179	BOT	
			2228	2228	GUN	Gun 1-2 delta error 1.1ms
01:32			2419	2419	LGSP	
01:33			2424	2424	EOL	Nav Run Out SP
	035	1/3	2425		EOT	Noise Record

Abbreviations Used

SOL = Start of Line	BOT = Beginning of Tape	FGSP = First Good Shotpoint	FFFSP = First Full Fold Shotpoint	NDR = No Data Recorded
EOL = End of Line	EOT = End of Tape	LGSP = Last Good Shotpoint	LFFSP = Last Full Fold Shotpoint	FCSP = First Chargeable Shotpoint
FA = Feather Angle	SI = Seismic Interference	FOLSP = First Overlap SP	LOLSP = Last Overlap Shotpoint	LCSP = Last Chargeable Shotpoint
NTBP = Not To Be Processed	ITB = Internal Time Break	FTB = Field Time Break		