



# OBSERVER LOG

## Sequence: 21

Vessel: M/V Pacific Titan  
Client: SANTOS LIMITED  
Project #: Job: 6211  
Area: Otway Basin

Line Name: OEP04-53-05-021

Direction: 210  
Date Shot: 18 November 2004

Party Chief: Ketil Glimsjø Chief Obs: Haydn Brook Observers: Cliff Gobbit, Roar Nygaard, Allan Beattie

SOL Time (UTC)	SOLTape#	First File	SOL SP	SOL File	FGSP	FGSP File	FGSP Time (UTC)
02:10	31	1485	1467	1467	1487	1487	02:13

EOL Time (UTC)	EOLTape#	Last File	EOL SP	EOL File	LGSP	LGSP File	LGSP Time (UTC)
04:12	32	2185	2184	2184	2174	2174	04:11

	Wind Speed	Swell	Streamer Feather	Filtered Noise	Bottom Speed	Water Speed	Water Depth	Streamer Depth	Source Volume	
SOL	32 kts. WNW	2.0 m	0°	10 µB	4.6 kts.	4.8 kts.	111.2 m	8 m	3040	cu. in
EOL	27 kts. WNW	2.0 m	5.7° Port	13.3 µB	4.7 kts.	5.0 kts.	468.2 m	8 m	3040	cu. in

### Recording Parameters

Recording System	Seal
Record Length	8000 ms
Sample Rate	2 ms
Start Of Data	System Start
Low Cut Filter	3 Hz /6 dB/ Octave
Hi Cut Filter	200 Hz @ 370 dB / Octave
Tape Format	Demux. SEG D 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	179 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
1487	1606	Overlap	
1607	2054	Prime	
2055	2174	Runout	

### Channels as recorded

AuxChannels: 481-501  
Streamer1: 1-480

### Line Comments

Softstart commenced at 01:32  
NOTE!!! Streamer on 8 m depth d/t weather.  
NOTE! SP and files 20 off d/t wrong setup in SEAL at SOL  
SOL-: Random swell noise 5-15% traces 50-150uB -Streamer fluctuating in depth 7-9m  
EOL Random swell noise 20-35% of traces 20- 150uB peak noise bursts to 400uB

### Bad Channels

Line Status: Infill Complete

<i>GMT</i>	<i>Tape</i>	<i>Drive</i>	<i>File</i>	<i>SP</i>	<i>Event</i>	<i>Remarks</i>
	31	1/2	1485		BOT	
02:10			1487	1467	SOL	runin
02:13			1507	1487	OVL	Overlap
	31	1/2	1617	1597	EOT	SCSI error
	32	3/4	1618	1598	BOT	
02:33			1627	1607	FGSP	
03:50			2074	2054	LFFSP	
04:11			2194	2174	LGSP	
04:12			2204	2184	EOL	nav run out SP
	32	3/4	2205		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		